




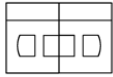




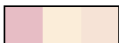

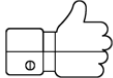
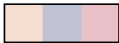












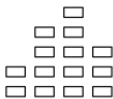






















Sketch	Style	Samples			Sketch	Style	Samples		
	Sensible 					Fun 			
	Authoritative 					Rational 			
	Luscious 					Solid 			
	Mellow 					Unadorned 			
	Traditional 					Soft 			
	Vivid 					Advanced 			
	Technical 					Naive 			
	Bold 					Cool 			
	Formal 					Dressy 			
	Relaxed 					Mysterious 			
	Wild 					Calm 			

Figure 1. Our system generates flat-color icons based on the given sketch image and the colorization style. The resolution of these icons is 128×128 . Note that the results are diverse under the condition of an identical style label.



Figure 2. Our system can generates high-resolution flat-color icons based on the given sketch image and the colorization style. The resolution of these icons is 512×512 .

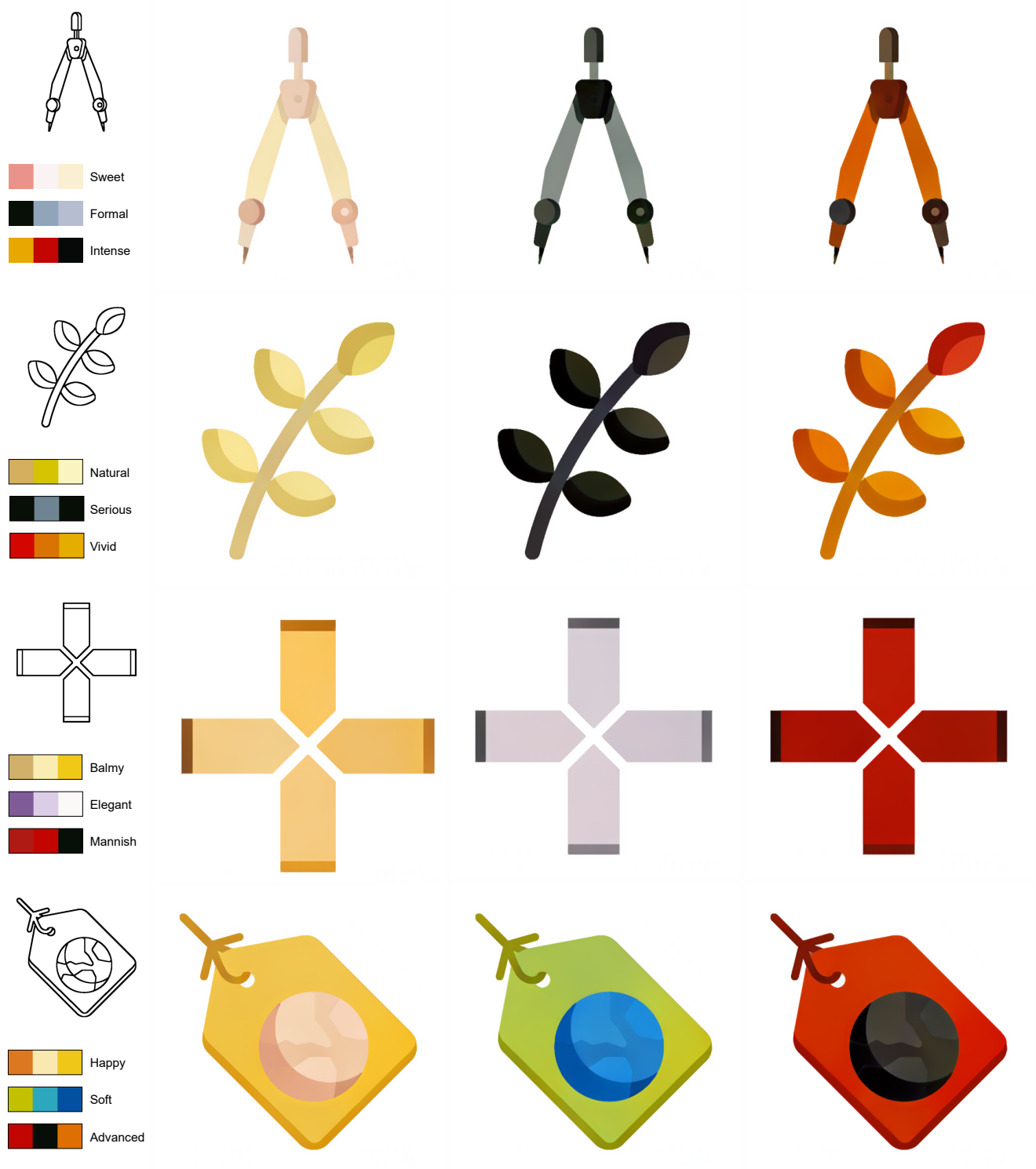


Figure 3. Our system can generates high-resolution flat-color icons based on the given sketch image and the colorization style. The resolution of these icons is 512×512 .


















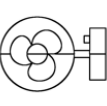





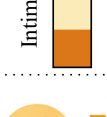
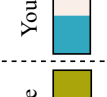
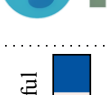



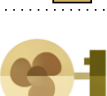
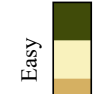

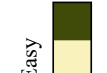







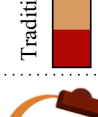










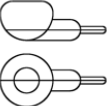
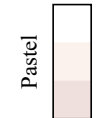




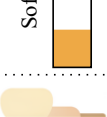
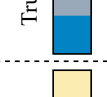





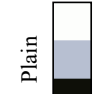

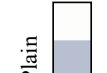
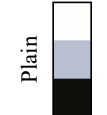


















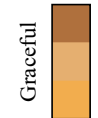




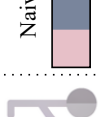










Sketch	Style 1	Interpolation				Style 2	Interpolation				Style 1	Interpolation				Style 2
	Refined 					Advanced 					Relaxed 					Elegant 
	Active 					Intimate 					Youthful 					Easy 
	Mysterious 					Traditional 					Sturdy 					Sublime 
	Pastel 					Soft 					Trusty 					Plain 
	Girly 					Warm 					Tropical 					Bold 
	Graceful 					Naive 					Robust 					Solid 

Figure 4. The colorization styles are interpolated.

	Anime	Comi	MUNIT	ASCFT	AdvIcon	Ours
Q1	6	14	34	20	12	40
Q2	13	8	6	14	16	69
Q3	8	4	15	18	19	62
Q4	5	12	12	6	3	88
Q5	14	31	0	19	7	55
Q6	2	9	18	5	42	50
Q7	7	5	10	16	8	80
Q8	7	24	13	14	14	54
Q9	6	4	2	8	2	104
Q10	12	10	14	1	15	74
Q11	3	5	10	8	23	77
Q12	11	28	6	4	13	64
Q13	0	1	11	8	18	88

Table 1. The user study result obtained from 126 participants over 13 questions. The higher it is, the better.