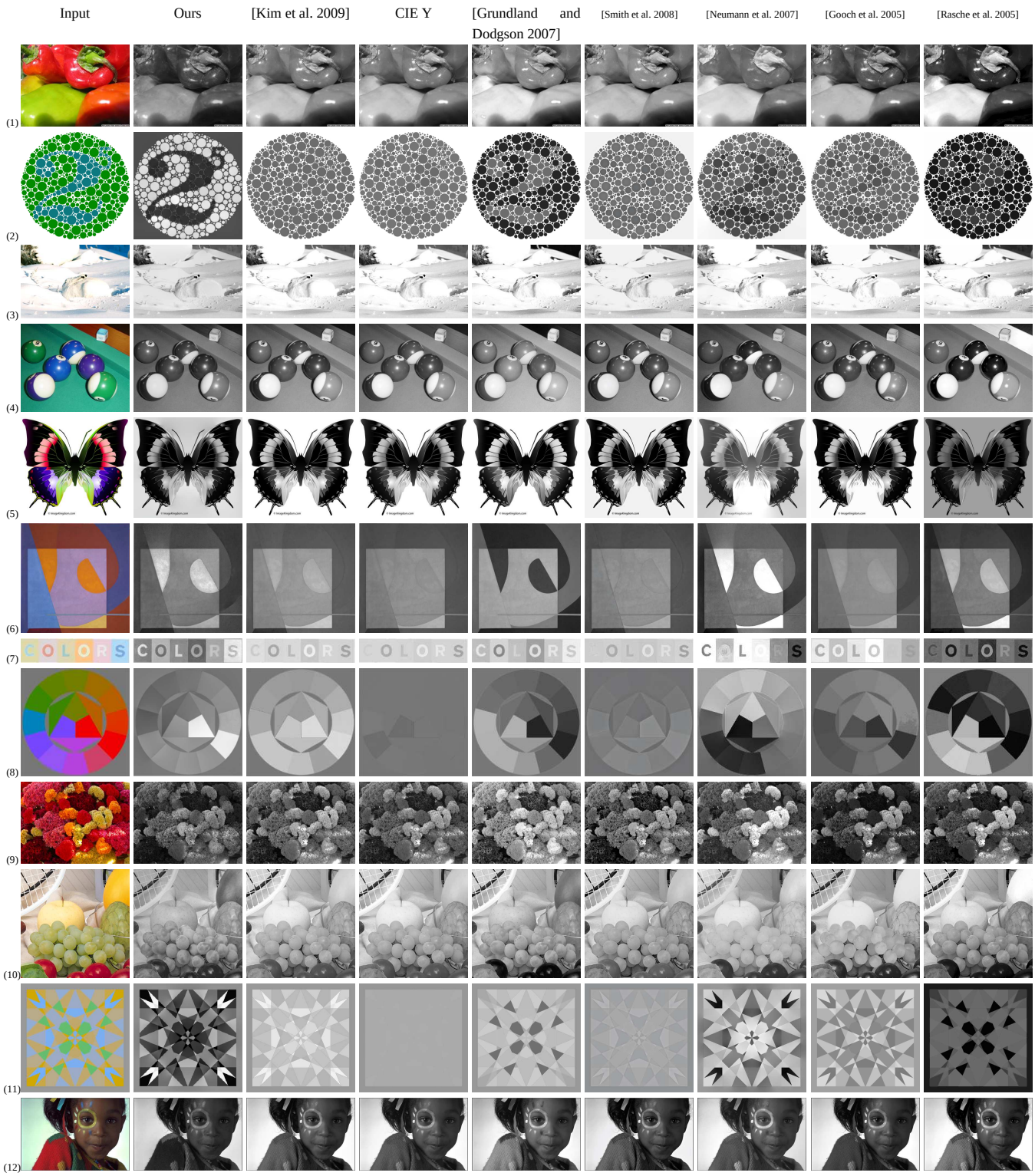
Gradient Domain Salience-preserving Color-to-gray Conversion: Supplemental Material



	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
β	1	1	1	0.2	1	0.9	1	1	1	2	1	1
γ	$\frac{1}{31}$	$\frac{1}{11}$	$\frac{1}{11}$	$\frac{13}{5}$	$\frac{1}{51}$	$\frac{1}{11}$	∞	$\frac{1}{72}$	$\frac{1}{41}$	$\frac{1}{21}$	1	$\frac{1}{13}$
α	0.2	0.8	0.8	0.2	0.2	0.1	1	1	0.6	0.6	1	1
θ	230°	180°	180°	45°	75°	105°	255°	15°	5°	270°	270°	225°

Figure 1: *Comparison of our result with previous works. Source and reference images are from [Kim et al. 2009]. Parameters for our results are listed in the Table.*

References

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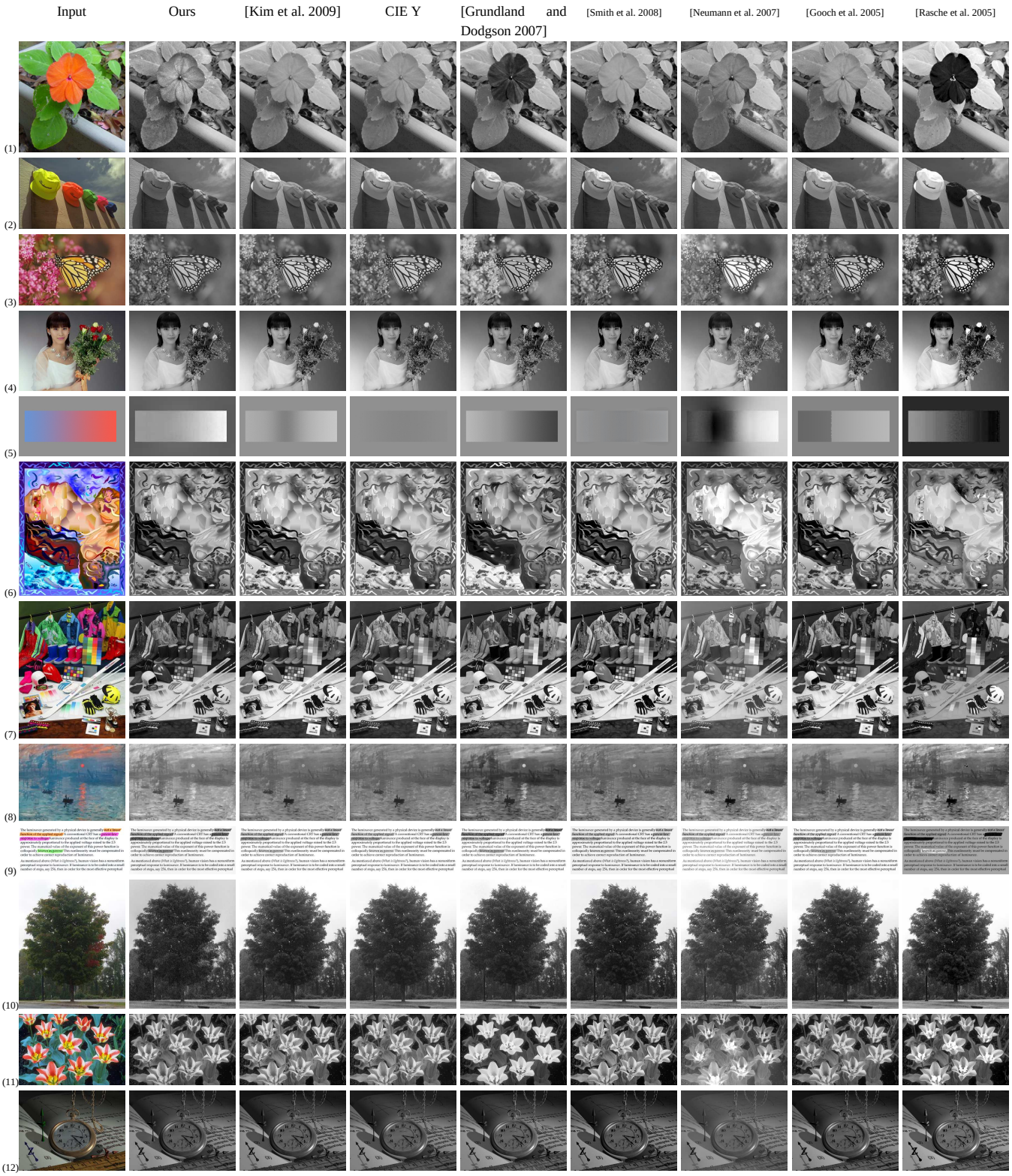
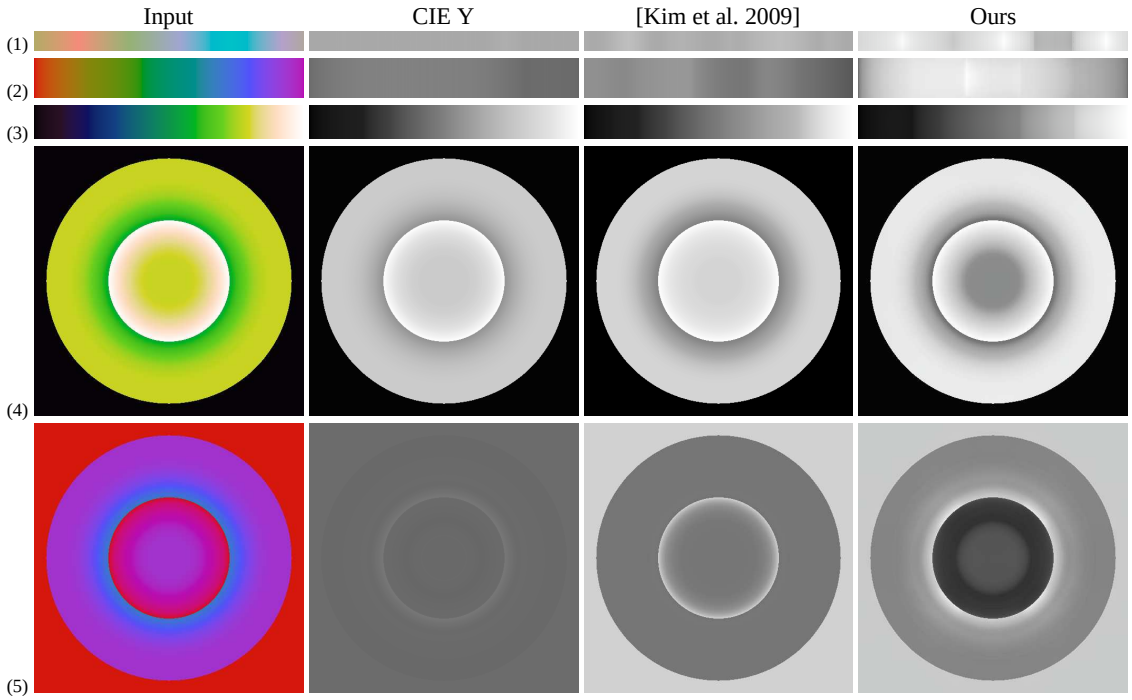


	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
β	1	1	1	0.4	1	1	1	1	1	1	1	0.6
γ	$\frac{1}{11}$	$\frac{1}{16}$	$\frac{1}{21}$	$\frac{1}{19}$	∞	$\frac{1}{31}$	$\frac{1}{45}$	$\frac{1}{21}$	$\frac{1}{11}$	$\frac{1}{4}$	$\frac{1}{51}$	$\frac{1}{11}$
α	0.15	0.7	0.7	0.3	1	0.3	0.2	1	0	1	0.3	0.6
θ	75°	230°	185°	75°	350°	30°	25°	0°	–	0°	45°	130°

Figure 2: *Another comparison of our result with others. Source and reference images are from [Kim et al. 2009]. Parameters for our results are listed in the Table.*



	(1)	(2)	(3)	(4)	(5)
β	1	0	1	1	1
γ	$\frac{1}{11}$	–	$\frac{1}{11}$	$\frac{1}{31}$	$\frac{1}{109}$
α	1	0.6	0	0	1
θ	15°	195°	–	–	150°

Figure 3: *A test using images with smoothly changing colors. Source and reference images are from [Kim et al. 2009] . Parameters for our result are shown in the table above.*