

Converting Colors

$Y_{xy}(55.6378, 0.2891, 0.2758)$

Have a look what the booklet for
Yxy(55.6378, 0.2891, 0.2758)
contains.

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Color

Yxy(55.6378, 0.2891, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	CBBEED
RGB	203, 190, 237
RGB Percent	80%, 75%, 93%
CMY	0.2040, 0.2548, 0.0706
CMYK	0.14, 0.20, 0.00, 0.07
HSL	257°, 57%, 84%
HSV	257°, 20%, 93%
XYZ	58.3208, 55.6378, 87.7738
YIQ	199.2450, -7.3390, 17.3730

Conversions

Conversions Part 2

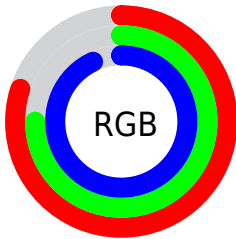
Format	Color
R _Y B	203, 190, 237
Decimal	13352685
CIE Lab	79.41, 13.64, -21.64
CIE LCh	79, 25.582, 302.224
Yxy	55.6378, 0.2891, 0.2758
Android (android.graphics.Color)	4291542765 (0xFFCBBEED)
YUV	199.2450, 18.6132, 3.2931
Hunter-Lab	74.5908, 9.0313, -17.5553

Details

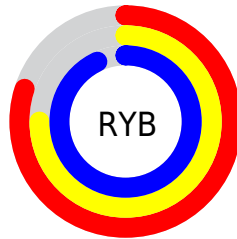
The Yxy color $55.6378, 0.2891, 0.2758$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $80.1293, 0.3334, 0.3799$, and the grayscale version is $57.1575, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $27.5234, 0.2823, 0.2634$ is the 20% darker color. If you saturate the color by 10%, you get $43.9174, 0.2746, 0.2452$, and if you desaturate by 10%, it is $69.2986, 0.3019, 0.3040$.

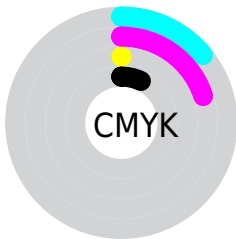
Distribution



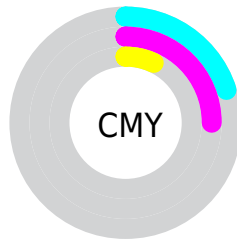
- Red (80%)
- Green (75%)
- Blue (93%)



- Red (80%)
- Yellow (75%)
- Blue (93%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6378, 0.2891, 0.2758 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 55.6378, 0.2891, 0.2758 by changing the saturation by 10% instead.

■ 55.6378, 0.2891,
0.2758

■ 55.6378, 0.2891,
0.2758

408.3251, 0.3007,
0.3007

■ 39.9126, 0.2863,
0.2701

■ 98.4748, 0.2933,
0.2845

■ 27.4704, 0.2827,
0.2629

126.3554, 0.2948,
0.2879

■ 17.9268, 0.2781,
0.2539

159.0566, 0.2962,
0.2908

■ 10.8975, 0.2717,
0.2420

196.9627, 0.2974,
0.2933

■ 5.9979, 0.2627,
0.2258

240.4583, 0.2984,
0.2955

■ 2.8438, 0.2490,
0.2027

289.9276, 0.2992,

■ 1.0507, 0.2259,

0.2974

0.1671

345.7551, 0.3000,
0.2992

0.0000, 0.1507,
0.0000

0.0000, 0.0000,
0.0000

55.6378, 0.2891,
0.2758

55.6378, 0.2891,
0.2758

43.9174, 0.2746,
0.2452

69.2986, 0.3019,
0.3040

34.0411, 0.2586,
0.2129

84.9761, 0.3129,
0.3294

25.9151, 0.2413,
0.1801

98.7901, 0.3229,
0.3464

19.4340, 0.2235,
0.1483

98.8936, 0.3232,
0.3464

■ 14.4811, 0.2060,
0.1197

■ 10.9235, 0.1901,
0.0962

■ 8.6047, 0.1766,
0.0793

■ 7.2707, 0.1662,
0.0690

■ 7.2508, 0.1661,
0.0688

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.6378, 0.2632, 0.2750



55.6378, 0.2891, 0.2758



55.6378, 0.3227, 0.2891

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.6378, 0.2891, 0.2758



55.6378, 0.3788, 0.3658



55.6378, 0.2710, 0.3457

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.6378, 0.2891, 0.2758



80.1293, 0.3334, 0.3799

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.6378, 0.3003, 0.3744



55.6378, 0.2891, 0.2758



55.6378, 0.3630, 0.3847

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.6378, 0.2891, 0.2758



55.6378, 0.3760, 0.3392



55.6378, 0.3340, 0.3888



55.6378, 0.2533, 0.3134

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.6378, 0.2891, 0.2758



55.6378, 0.3450, 0.3034



55.6378, 0.3340, 0.3888



55.6378, 0.2798, 0.3563

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.6401, 0.2891, 0.2758



88.5828, 0.3062, 0.3140



70.6214, 0.2822, 0.3148



18.7058, 0.3055, 0.3123



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.6401, 0.2891, 0.2758



59.5173, 0.2831, 0.2630



59.1199, 0.3065, 0.2785



14.7500, 0.3023, 0.3049



4.0153, 0.1674, 0.0696



0.3618, 0.1817, 0.0775

Inverse Universe

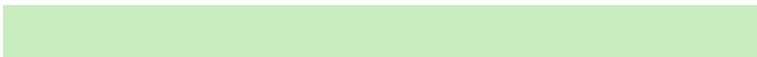
The Inverse Universe completely reimagines the original color for something new.



60.2186, 0.3248, 0.2928



65.9343, 0.3279, 0.2847



76.6921, 0.3175, 0.3825



15.2387, 0.3180, 0.3121



11.4710, 0.4055, 0.2008



0.9169, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 55.6378, 0.2891, 0.2758 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 55.6378, 0.2891, 0.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

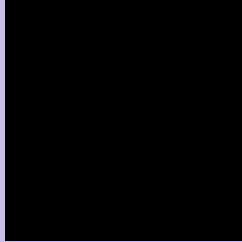
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.6378, 0.2891, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 55.6378, 0.2891, 0.2758.



This preview shows how white text looks on a background with the Yxy color 55.6378, 0.2891, 0.2758.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

55.6378, 0.2891, 0.2758

Protanopia

55.7606, 0.2754, 0.2767

Deuteranopia

55.5495, 0.2841, 0.2773



Tritanopia

55.6891, 0.3042, 0.3111

Trichromacy



Original Color

55.6378, 0.2891, 0.2758

Protanomaly

55.5784, 0.2800, 0.2760

Deuteranomaly

55.5181, 0.2862, 0.2765

Tritanomaly

55.5866, 0.2986, 0.2974

Monochromacy



Original Color

55.6378, 0.2891, 0.2758

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

56.5633, 0.3035, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6378, 0.2891, 0.2758 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(203, 190, 237)` looks like.

```
.text, #text, p{  
    color:rgb(203, 190, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(203, 190, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 190, 237) }
```

Border

The CSS property to change the border of an element to Yxy 55.6378, 0.2891, 0.2758 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 190, 237) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(203, 190, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(203, 190, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 190, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 190, 237);  
box-shadow:4px 4px 4px 4px rgb(203, 190,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6378, 0.2891, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 190, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(203,  
190, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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