

Converting Colors

$Y_{xy}(50.5850, 0.3887, 0.4303)$

Have a look what the booklet for
Yxy(50.5850, 0.3887, 0.4303)
contains.

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Color

Yxy(50.5850, 0.3887, 0.4303)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---|
| Hex | CBBE6B |
| RGB | 203, 190, 107 |
| RGB Percent | 80%, 75%, 42% |
| CMY | 0.2040, 0.2549, 0.5802 |
| CMYK | 0.00, 0.06, 0.47, 0.20 |
| HSL | 52°, 48%, 61% |
| HSV | 52°, 47%, 80% |
| XYZ | 45.6946, 50.5850, 21.2779 |
| YIQ | 184.4250, 34.3910, -23.0570 |

Conversions

Conversions Part 2

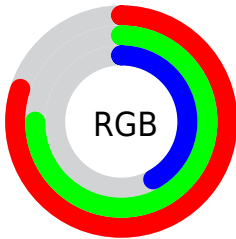
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 122, 203, 107 |
| Decimal | 13352555 |
| CIELab | 76.43, -6.70, 43.30 |
| CIELCh | 76, 43.811, 98.796 |
| Yxy | 50.5850, 0.3887, 0.4303 |
| Android (android.graphics.Color) | 4291542635 (0xFFCBBE6B) |
| YUV | 184.4250, -38.1705, 16.2903 |
| Hunter-Lab | 71.1231, -9.7843, 32.0484 |

Details

The Yxy color **50.5850, 0.3887, 0.4303** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.8783, 0.2272, 0.2013**, and the grayscale version is **48.3837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7096, 0.3719, 0.4142**, and **24.3898, 0.4056, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **49.0306, 0.4041, 0.4486**, and if you desaturate by 10%, it is **52.2667, 0.3724, 0.4098**.

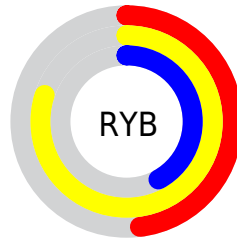
Distribution



Red (80%)

Green (75%)

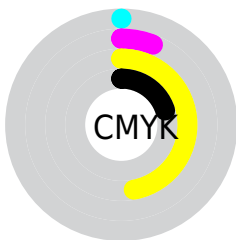
Blue (42%)



Red (48%)

Yellow (80%)

Blue (42%)

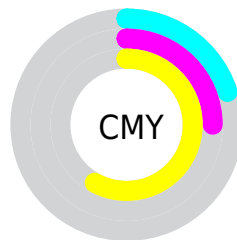


Cyan (0%)

Magenta (6%)

Yellow (47%)

Black (20%)



Cyan (20%)


Magenta (25%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5850, 0.3887, 0.4303 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 50.5850, 0.3887, 0.4303 by changing the saturation by 10% instead.

 50.5850, 0.3887,
0.4303

 50.5850, 0.3887,
0.4303


388.9493, 0.3530,
0.3810


 35.8784, 0.3966,
0.4417


 91.0410, 0.3764,
0.4129


 24.3403, 0.4059,
0.4558


 117.5593, 0.3716,
0.4062

 15.5863, 0.4169,
0.4731


 148.7836, 0.3674,
0.4005

 9.2319, 0.4294,
0.4945


 185.0983, 0.3638,
0.3955

 4.8927, 0.4515,
0.5313

226.8878, 0.3606,
0.3912

 2.1845, 0.4506,
0.5494

274.5366, 0.3577,

 0.7115, 0.4188,

0.3874

0.5812

328.4289, 0.3552,
0.3840

0.0000, 0.0000,
0.0000

50.5850, 0.3887,
0.4303

50.5850, 0.3887,
0.4303

49.0306, 0.4041,
0.4486

52.2667, 0.3724,
0.4098

47.5894, 0.4178,
0.4638

54.0754, 0.3557,
0.3881

46.2554, 0.4293,
0.4750


56.0193, 0.3393,
0.3660


45.0192, 0.4380,
0.4817

58.1041, 0.3236,
0.3443

43.8676, 0.4441,
0.4841


60.3349, 0.3088,
0.3234

 43.5610, 0.4455,
0.4845

 62.7167, 0.2950,
0.3036

 65.2542, 0.2824,
0.2852

 66.9869, 0.2791,
0.2824

 68.3710, 0.2793,
0.2854

Harmonies

Analogous

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



50.5850, 0.4246, 0.3974



50.5850, 0.3887, 0.4303



50.5850, 0.3342, 0.4357

Triad

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



50.5850, 0.3887, 0.4303



50.5850, 0.2087, 0.2873



50.5850, 0.3423, 0.2688

Complementary

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



50.5850, 0.3887, 0.4303



20.8783, 0.2272, 0.2013

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.



50.5850, 0.2824, 0.2433



50.5850, 0.3887, 0.4303



50.5850, 0.2104, 0.2500

Square

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



50.5850, 0.3887, 0.4303



50.5850, 0.2317, 0.3442



50.5850, 0.2358, 0.2359



50.5850, 0.3982, 0.3075

Rectangle

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



50.5850, 0.3887, 0.4303



50.5850, 0.2953, 0.4178



50.5850, 0.2358, 0.2359



50.5850, 0.3218, 0.2585

Sweetspot

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



50.5873, 0.3887, 0.4303



94.8682, 0.3344, 0.3593



24.6108, 0.4213, 0.3108



20.1457, 0.3379, 0.3641



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.



50.5873, 0.3887, 0.4303



81.9905, 0.4048, 0.4495



52.2468, 0.3531, 0.4560



12.8278, 0.3269, 0.3489



27.8248, 0.4451, 0.4848



1.5088, 0.4393, 0.4894

Inverse Universe

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



20.8783, 0.2272, 0.2013



26.2945, 0.2064, 0.1679



20.4663, 0.2533, 0.1923



11.0846, 0.2982, 0.3083



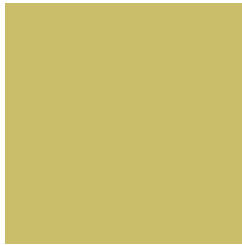
3.3339, 0.1532, 0.0714



0.2539, 0.1610, 0.0997

Previews

White Background



This preview shows how the Yxy color 50.5850, 0.3887, 0.4303 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 50.5850, 0.3887, 0.4303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

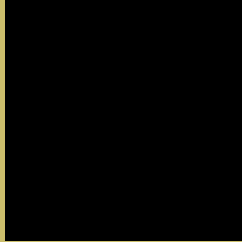
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5850, 0.3887, 0.4303

Background



This preview shows how black text looks on a background with the Yxy color 50.5850, 0.3887, 0.4303.



This preview shows how white text looks on a background with the Yxy color 50.5850, 0.3887, 0.4303.

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

50.5850, 0.3887, 0.4303

Protanopia

50.7221, 0.3929, 0.4279

Deuteranopia

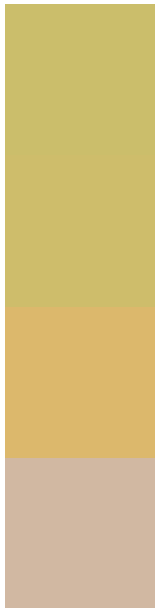
50.4047, 0.4169, 0.4088



Tritanopia

50.5346, 0.3290, 0.3125

Trichromacy



Original Color

50.5850, 0.3887, 0.4303

Protanomaly

50.5785, 0.3920, 0.4282

Deuteranomaly

50.5793, 0.4070, 0.4170

Tritanomaly

50.4449, 0.3526, 0.3560

Monochromacy



Original Color

50.5850, 0.3887, 0.4303

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.5945, 0.3410, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5850, 0.3887, 0.4303 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(203, 190, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 190, 107) }
```

Border

The CSS property to change the border of an element to Yxy 50.5850, 0.3887, 0.4303 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, 107) }
```

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

```
.border{ border-color:rgb(203, 190, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 190, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 190, 107); box-shadow:4px 4px 4px 4px rgb(203, 190, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5850, 0.3887, 0.4303 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, 107) }
```

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

```
.background{ background-color: rgb(203,  
190, 107) }
```

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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