

Converting Colors

$Y_{xy}(48.2149, 0.4161, 0.4814)$

Have a look what the booklet for
Yxy(48.2149, 0.4161, 0.4814)
contains.

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Color

Yxy(48.0758, 0.4165, 0.4812)

Conversions

Conversions Part 1	
Format	Color
Hex	C5BC33
RGB	197, 188, 51
RGB Percent	77%, 74%, 20%
CMY	0.2274, 0.2628, 0.7999
CMYK	0.00, 0.05, 0.74, 0.23
HSL	56°, 59%, 49%
HSV	56°, 74%, 77%
XYZ	41.6117, 48.0758, 10.2206
YIQ	175.0730, 49.3410, -40.6990

Conversions

Conversions Part 2

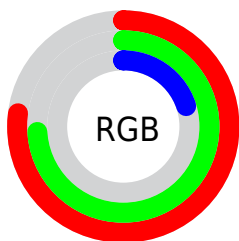
Format	Color
RYB	61, 197, 51
Decimal	12958771
CIELab	74.87, -12.03, 65.78
CIELCh	75, 66.874, 100.365
Yxy	48.0758, 0.4165, 0.4812
Android (android.graphics.Color)	4291148851 (0xFFC5BC33)
YUV	175.0730, -61.1680, 19.2300
Hunter-Lab	69.3367, -14.2142, 39.7960

Details

The Yxy color **48.0758, 0.4165, 0.4812** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **7.9738, 0.1748, 0.1067**, and the grayscale version is **43.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0229, 0.4014, 0.4581**, and **22.8169, 0.4243, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **47.4212, 0.4239, 0.4902**, and if you desaturate by 10%, it is **48.8129, 0.4065, 0.4679**.

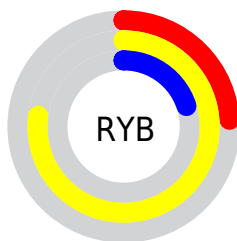
Distribution



Red (77%)

Green (74%)

Blue (20%)



Red (24%)

Yellow (77%)

Blue (20%)

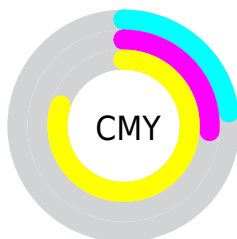


Cyan (0%)

Magenta (5%)

Yellow (74%)

Black (23%)



Cyan (23%)


Magenta (26%)

Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0758, 0.4165, 0.4812 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 48.0758, 0.4165, 0.4812 by changing the saturation by 10% instead.

 48.0758, 0.4165,
0.4812


 48.0758, 0.4165,
0.4812

 379.0925, 0.3715,
0.4095


 33.8869, 0.4243,
0.4961


 87.3173, 0.4025,
0.4571


 22.8067, 0.4321,
0.5129


 113.1386, 0.3965,
0.4474


 14.4509, 0.4388,
0.5314


 143.6063, 0.3911,
0.4390

 8.4349, 0.4452,
0.5548

 179.1046, 0.3863,
0.4316

 4.3745, 0.4346,
0.5654

 220.0180, 0.3820,
0.4250

 1.8852, 0.4170,
0.5830


 266.7308, 0.3781,

 0.5394, 0.2888,

0.4193


0.7112

319.6275, 0.3746,
0.4141

 0.0000, 0.0000,
0.0000


 48.0758, 0.4165,
0.4812

 48.0758, 0.4165,
0.4812


 47.4212, 0.4239,
0.4902


 48.8129, 0.4065,
0.4679


 46.8324, 0.4286,
0.4949


 49.6340, 0.3942,
0.4508


 46.5057, 0.4306,
0.4963


 50.5486, 0.3802,
0.4307


 51.5630, 0.3651,
0.4085

 52.6832, 0.3495,
0.3851

 53.9144, 0.3339,
0.3615

 55.2616, 0.3187,
0.3383

 56.7295, 0.3043,
0.3160

 58.3225, 0.2908,
0.2950

Harmonies

Analogous

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



48.0758, 0.4768, 0.4244



48.0758, 0.4165, 0.4812



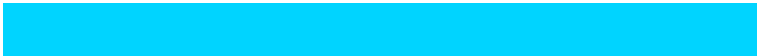
48.0758, 0.3338, 0.4992

Triad

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



48.0758, 0.4165, 0.4812



48.0758, 0.1608, 0.2571



48.0758, 0.3613, 0.2430

Complementary

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



48.0758, 0.4165, 0.4812



7.9738, 0.1748, 0.1067

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.



48.0758, 0.2692, 0.2068



48.0758, 0.4165, 0.4812



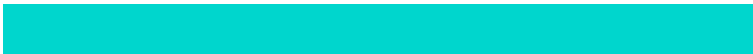
48.0758, 0.1660, 0.2085

Square

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



48.0758, 0.4165, 0.4812



48.0758, 0.1883, 0.3440



48.0758, 0.2018, 0.1939



48.0758, 0.4492, 0.2966

Rectangle

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



48.0758, 0.4165, 0.4812



48.0758, 0.2767, 0.4713



48.0758, 0.2018, 0.1939



48.0758, 0.3291, 0.2286

Sweetspot

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



48.0781, 0.4165, 0.4812



94.7060, 0.3467, 0.3809



14.5776, 0.5506, 0.3204



20.1465, 0.3510, 0.3874



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.



48.0781, 0.4165, 0.4812



84.2366, 0.4272, 0.4936



45.2308, 0.3536, 0.5268



12.3003, 0.3267, 0.3505



30.6264, 0.4304, 0.4964



1.4850, 0.4279, 0.4984

Inverse Universe

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



7.9738, 0.1748, 0.1067



9.1292, 0.1563, 0.0737



9.9990, 0.2223, 0.1219



10.3910, 0.2983, 0.3066



2.8705, 0.1512, 0.0644



0.1735, 0.1555, 0.0799

Previews

White Background



This preview shows how the Yxy color 48.0758, 0.4165, 0.4812 looks on a white background.

Color Contrast Check

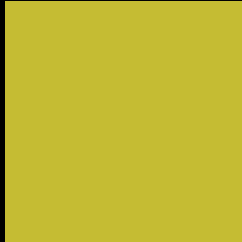
Large Text (above 18pt) WCAG AA × Fail

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 48.0758, 0.4165, 0.4812 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 48.0758, 0.4165, 0.4812

Background



This preview shows how black text looks on a background with the Yxy color 48.0758, 0.4165, 0.4812.



This preview shows how white text looks on a background with the Yxy color 48.0758, 0.4165, 0.4812.

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

48.0758, 0.4165, 0.4812

Protanopia

48.1936, 0.4286, 0.4731

Deuteranopia

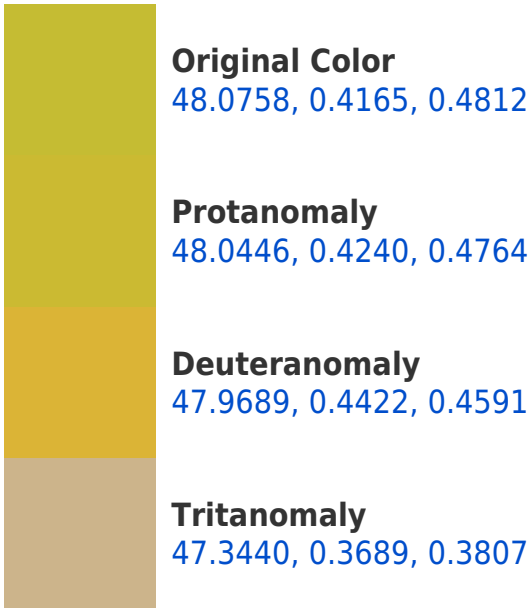
47.9344, 0.4565, 0.4465



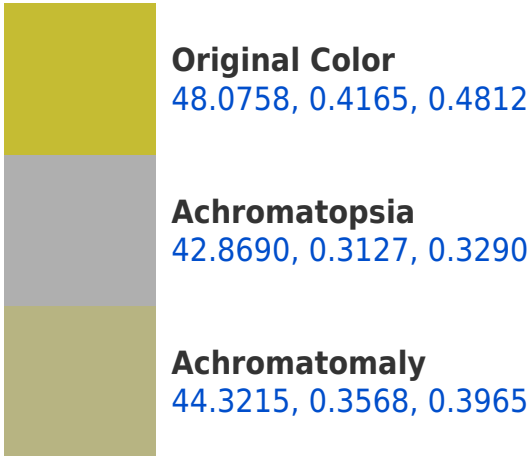
Tritanopia

47.7440, 0.3303, 0.3121

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0758, 0.4165, 0.4812 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(197, 188, 51)` looks like.

```
.text, #text, p{  
    color:rgb(197, 188, 51)  
}
```


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(197, 188, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 188, 51) }
```

Border

The CSS property to change the border of an element to Yxy 48.0758, 0.4165, 0.4812 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(197, 188, 51) }
```


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

```
.border{ border-color:rgb(197, 188, 51) }
```

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

Here you see how a box with a 4 pixel rgb(197, 188, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 188, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 188, 51);  
box-shadow:4px 4px 4px 4px rgb(197, 188,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0758, 0.4165, 0.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 188, 51) }
```

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

```
.background{ background-color: rgb(197,  
188, 51) }
```

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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