

Converting Colors

$Y_{xy}(47.9272, 0.4072, 0.4657)$

Have a look what the booklet for
Yxy(47.9272, 0.4072, 0.4657)
contains.

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Color

Yxy(47.8659, 0.4080, 0.4657)

Conversions

Conversions Part 1

Format	Color
Hex	C5BB47
RGB	197, 187, 71
RGB Percent	77%, 73%, 28%
CMY	0.2274, 0.2667, 0.7218
CMYK	0.00, 0.05, 0.64, 0.23
HSL	55°, 52%, 53%
HSV	55°, 64%, 77%
XYZ	41.9353, 47.8659, 12.9815
YIQ	176.7660, 43.1960, -33.9560

Conversions

Conversions Part 2

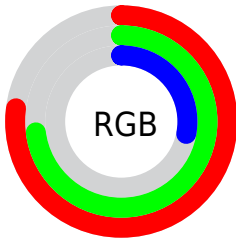
Format	Color
RYB	82, 197, 71
Decimal	12958535
CIELab	74.74, -10.48, 58.01
CIELCh	75, 58.952, 100.239
Yxy	47.8659, 0.4080, 0.4657
Android (android.graphics.Color)	4291148615 (0xFFC5BB47)
YUV	176.7660, -52.1426, 17.7452
Hunter-Lab	69.1852, -12.8796, 37.3048

Details

The Yxy color **47.8659, 0.4080, 0.4657** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **11.2495, 0.1927, 0.1388**, and the grayscale version is **44.0986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8419, 0.3929, 0.4432**, and **22.6410, 0.4253, 0.4968** is the 20% darker color. If you saturate the color by 10%, you get **46.9947, 0.4185, 0.4789**, and if you desaturate by 10%, it is **48.8308, 0.3952, 0.4487**.

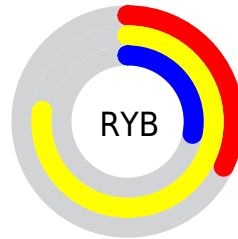
Distribution



Red (77%)

Green (73%)

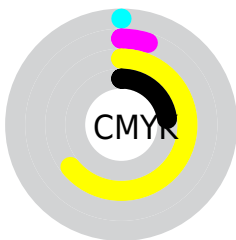
Blue (28%)



Red (32%)

Yellow (77%)

Blue (28%)

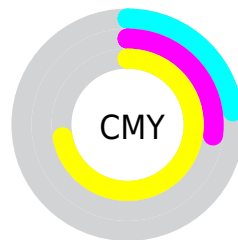


Cyan (0%)

Magenta (5%)

Yellow (64%)

Black (23%)



Cyan (23%)


Magenta (27%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8659, 0.4080, 0.4657 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 47.8659, 0.4080, 0.4657 by changing the saturation by 10% instead.


 47.8659, 0.4080,
0.4657

 47.8659, 0.4080,
0.4657

378.2603, 0.3651,
0.4001


 33.7207, 0.4163,
0.4800


 87.0047, 0.3941,
0.4431


 22.6791, 0.4252,
0.4968


 112.7671, 0.3883,
0.4342

 14.3568, 0.4340,
0.5161


 143.1707, 0.3832,
0.4266

 8.3692, 0.4468,
0.5447

 178.5999, 0.3787,
0.4199

 4.3321, 0.4414,
0.5586

 219.4390, 0.3747,
0.4140

 1.8610, 0.4261,
0.5739

266.0726, 0.3712,

 0.5248, 0.3165,

0.4088

0.6835

318.8849, 0.3680,
0.4042

0.0000, 0.0000,
0.0000

47.8659, 0.4080,
0.4657

47.8659, 0.4080,
0.4657

46.9947, 0.4185,
0.4789

48.8308, 0.3952,
0.4487

46.2021, 0.4265,
0.4878

49.8899, 0.3808,
0.4288

45.4804, 0.4317,
0.4923

51.0518, 0.3654,
0.4069

45.0692, 0.4340,
0.4936

52.3223, 0.3495,
0.3839

53.7067, 0.3338,
0.3606

■ 55.2101, 0.3186,
0.3378

■ 56.8372, 0.3042,
0.3160

■ 58.5923, 0.2907,
0.2954

■ 60.4796, 0.2783,
0.2763

Harmonies

Analogous

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



47.8659, 0.4605, 0.4174



47.8659, 0.4080, 0.4657



47.8659, 0.3340, 0.4779

Triad

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



47.8659, 0.4080, 0.4657



47.8659, 0.1756, 0.2665



47.8659, 0.3560, 0.2516

Complementary

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



47.8659, 0.4080, 0.4657



11.2495, 0.1927, 0.1388

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.



47.8659, 0.2742, 0.2183



47.8659, 0.4080, 0.4657



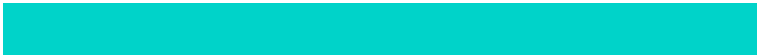
47.8659, 0.1798, 0.2213

Square

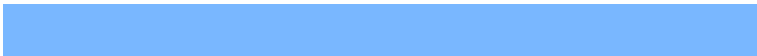
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.8659, 0.4080, 0.4657



47.8659, 0.2018, 0.3437



47.8659, 0.2129, 0.2069



47.8659, 0.4330, 0.3009

Rectangle

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



47.8659, 0.4080, 0.4657



47.8659, 0.2825, 0.4527



47.8659, 0.2129, 0.2069



47.8659, 0.3276, 0.2383

Sweetspot

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



47.8681, 0.4080, 0.4657



94.8321, 0.3421, 0.3729



16.9738, 0.5006, 0.3173



20.1462, 0.3467, 0.3797



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.



47.8681, 0.4080, 0.4657



83.5419, 0.4222, 0.4831



46.3671, 0.3544, 0.5027



12.2673, 0.3267, 0.3501



29.6961, 0.4338, 0.4938



1.4499, 0.4305, 0.4964

Inverse Universe

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



11.2495, 0.1927, 0.1388



13.0696, 0.1698, 0.0995



12.7787, 0.2349, 0.1459



10.4206, 0.2983, 0.3070



2.9384, 0.1516, 0.0658



0.1871, 0.1570, 0.0852

Previews

White Background



This preview shows how the Yxy color 47.8659, 0.4080, 0.4657 looks on a white background.

Color Contrast Check

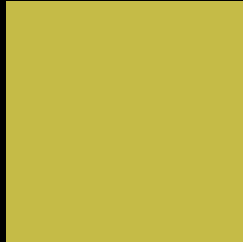
Large Text (above 18pt) WCAG AA × Fail

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 47.8659, 0.4080, 0.4657 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 47.8659, 0.4080, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 47.8659, 0.4080, 0.4657.



This preview shows how white text looks on a background with the Yxy color 47.8659, 0.4080, 0.4657.

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

47.8659, 0.4080, 0.4657

Protanopia

47.7023, 0.4182, 0.4594

Deuteranopia

47.8260, 0.4445, 0.4346



Tritanopia

47.7440, 0.3303, 0.3121

Trichromacy



Original Color

47.8659, 0.4080, 0.4657

Protanomaly

47.6967, 0.4146, 0.4619

Deuteranomaly

47.4863, 0.4309, 0.4451

Tritanomaly

47.1529, 0.3632, 0.3706

Monochromacy



Original Color

47.8659, 0.4080, 0.4657

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.0731, 0.3508, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8659, 0.4080, 0.4657 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, 187, 71)` looks like.

```
.text, #text, p{  
    color:rgb(197, 187, 71)  
}
```

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, 187, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 187, 71) }
```

Border

The CSS property to change the border of an element to Yxy 47.8659, 0.4080, 0.4657 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, 187, 71) }
```

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

```
.border{ border-color:rgb(197, 187, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 187, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 187, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 187, 71);  
box-shadow:4px 4px 4px 4px rgb(197, 187,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8659, 0.4080, 0.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 187, 71) }
```

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

```
.background{ background-color: rgb(197,  
187, 71) }
```

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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