

Converting Colors

$Y_{xy}(47.6380, 0.4211, 0.5038)$

Have a look what the booklet for
Yxy(47.6380, 0.4211, 0.5038)
contains.

| | |
|---|----|
| Yxy(47.4716, 0.4212, 0.5038) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(47.4716, 0.4212, 0.5038)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BFBD00 |
| RGB | 191, 189, 0 |
| RGB Percent | 75%, 74%, 0% |
| CMY | 0.2509, 0.2588, 1.0000 |
| CMYK | 0.00, 0.01, 1.00, 0.25 |
| HSL | 59°, 100%, 37% |
| HSV | 59°, 100%, 75% |
| XYZ | 39.6884, 47.4716, 7.0670 |
| YIQ | 168.0520, 61.8610, -58.3550 |

Conversions

Conversions Part 2

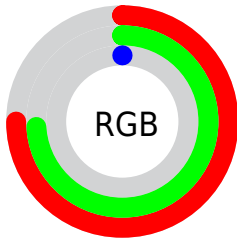
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 2, 191, 0 |
| Decimal | 12565760 |
| CIE Lab | 74.49, -16.33, 75.64 |
| CIE LCh | 74, 77.384, 102.179 |
| Yxy | 47.4716, 0.4212, 0.5038 |
| Android (android.graphics.Color) | 4290755840 (0xFFBFBD00) |
| YUV | 168.0520, -82.8496, 20.1254 |
| Hunter-Lab | 68.8996, -17.7525, 42.1484 |

Details

The Yxy color **47.4716, 0.4212, 0.5038** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **3.8070, 0.1502, 0.0606**, and the grayscale version is **39.5804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4081, 0.4086, 0.4777**, and **22.5949, 0.4156, 0.5082** is the 20% darker color. If you saturate the color by 10%, you get **47.4741, 0.4212, 0.5038**, and if you desaturate by 10%, it is **47.6090, 0.4187, 0.5002**.

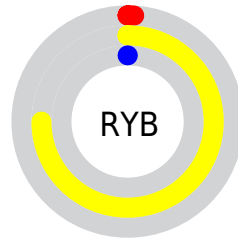
Distribution



Red (75%)

Green (74%)

Blue (0%)



Red (1%)

Yellow (75%)

Blue (0%)

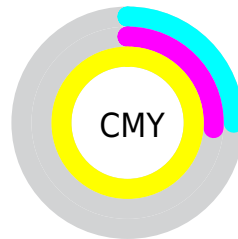


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4716, 0.4212, 0.5038 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 47.4716, 0.4212, 0.5038 by changing the saturation by 10% instead.


 47.4716, 0.4212,
0.5038


 47.4716, 0.4212,
0.5038


376.6938, 0.3773,
0.4230


 33.4086, 0.4273,
0.5195


 86.4171, 0.4087,
0.4774

 22.4397, 0.4321,
0.5365


 112.0685, 0.4029,
0.4665

 14.1803, 0.4378,
0.5592


 142.3515, 0.3976,
0.4569

 8.2462, 0.4293,
0.5707

 177.6504, 0.3927,
0.4485

 4.2529, 0.4145,
0.5855

 218.3497, 0.3883,
0.4410

 1.8160, 0.3897,
0.6103

 264.8338, 0.3843,

 0.4971, 0.1295,

0.4343

0.8705

317.4870, 0.3806,
0.4284

■ 0.0000, 0.0000,
0.0000

■ 47.4716, 0.4212,
0.5038

■ 47.4716, 0.4212,
0.5038

■ 47.4741, 0.4212,
0.5038

■ 47.6090, 0.4187,
0.5002

■ 47.7905, 0.4142,
0.4933

■ 48.0354, 0.4071,
0.4820

■ 48.3523, 0.3975,
0.4667

■ 48.7484, 0.3857,
0.4477

■ 49.2299, 0.3722,
0.4259

■ 49.8026, 0.3576,
0.4022

■ 50.4715, 0.3425,
0.3777

■ 51.2417, 0.3274,
0.3530

Harmonies

Analogous

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



47.4716, 0.4944, 0.4358



47.4716, 0.4212, 0.5038



47.4716, 0.3267, 0.5279

Triad

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



47.4716, 0.4212, 0.5038



47.4716, 0.1415, 0.2399



47.4716, 0.3748, 0.2347

Complementary

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



47.4716, 0.4212, 0.5038



3.8070, 0.1502, 0.0606

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.



47.4716, 0.2676, 0.1935



47.4716, 0.4212, 0.5038



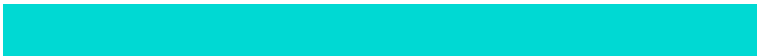
47.4716, 0.1497, 0.1900

Square

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



47.4716, 0.4212, 0.5038



47.4716, 0.1679, 0.3372



47.4716, 0.1906, 0.1773



47.4716, 0.4759, 0.2942

Rectangle

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



47.4716, 0.4212, 0.5038



47.4716, 0.2628, 0.4933



47.4716, 0.1906, 0.1773



47.4716, 0.3373, 0.2185

Sweetspot

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



47.4741, 0.4212, 0.5038



89.1137, 0.3583, 0.4034



11.0871, 0.6384, 0.3290



19.4687, 0.3647, 0.4136



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



47.4741, 0.4212, 0.5038



84.9726, 0.4212, 0.5038



39.9101, 0.3387, 0.5692



11.1026, 0.3265, 0.3514



31.1968, 0.4212, 0.5038



1.2276, 0.4207, 0.5042

Inverse Universe

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



3.8070, 0.1502, 0.0606



6.7942, 0.1501, 0.0605



6.0553, 0.1989, 0.0869



9.2412, 0.2984, 0.3055



2.5086, 0.1502, 0.0608



0.1039, 0.1511, 0.0639

Previews

White Background



This preview shows how the Yxy color 47.4716, 0.4212, 0.5038 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 47.4716, 0.4212, 0.5038 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 47.4716, 0.4212, 0.5038

Background



This preview shows how black text looks on a background with the Yxy color 47.4716, 0.4212, 0.5038.



This preview shows how white text looks on a background with the Yxy color 47.4716, 0.4212, 0.5038.

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

47.4716, 0.4212, 0.5038

Protanopia

47.5464, 0.4405, 0.4885

Deuteranopia

47.3449, 0.4674, 0.4582



Tritanopia

47.4213, 0.3258, 0.3131

Trichromacy



Original Color

47.4716, 0.4212, 0.5038

Protanomaly

47.5353, 0.4331, 0.4943

Deuteranomaly

46.8828, 0.4513, 0.4750

Tritanomaly

46.5459, 0.3797, 0.4066

Monochromacy



Original Color

47.4716, 0.4212, 0.5038

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.3423, 0.3704, 0.4244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4716, 0.4212, 0.5038 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(191, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 189, 0)  
}
```

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(191, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.4716, 0.4212, 0.5038 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(191, 189, 0) }
```

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

```
.border{ border-color:rgb(191, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4716, 0.4212, 0.5038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 189, 0) }
```

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

```
.background{ background-color: rgb(191,  
189, 0) }
```

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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