

Converting Colors

$Y_{xy}(42.3114, 0.4205, 0.5009)$

Have a look what the booklet for
Yxy(42.3114, 0.4205, 0.5009)
contains.

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Color

Yxy(42.2118, 0.4208, 0.5006)

Conversions

Conversions Part 1

Format	Color
Hex	B6B30C
RGB	182, 179, 12
RGB Percent	71%, 70%, 5%
CMY	0.2862, 0.2981, 0.9526
CMYK	0.00, 0.02, 0.93, 0.29
HSL	59°, 88%, 38%
HSV	59°, 93%, 71%
XYZ	35.4829, 42.2118, 6.6277
YIQ	160.8590, 55.3950, -51.3010

Conversions

Conversions Part 2

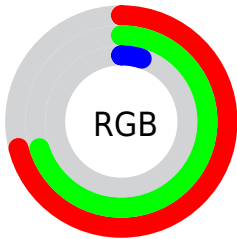
Format	Color
RYB	15, 182, 12
Decimal	11973388
CIELab	71.02, -15.05, 71.35
CIElCh	71, 72.924, 101.909
Yxy	42.2118, 0.4208, 0.5006
Android (android.graphics.Color)	4290163468 (0xFFB6B30C)
YUV	160.8590, -73.3875, 18.5407
Hunter-Lab	64.9706, -16.2131, 39.4312

Details

The Yxy color **42.2118, 0.4208, 0.5006** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.8023, 0.1536, 0.0666**, and the grayscale version is **35.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3474, 0.4080, 0.4728**, and **19.5387, 0.4167, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **42.1007, 0.4224, 0.5028**, and if you desaturate by 10%, it is **42.4125, 0.4169, 0.4950**.

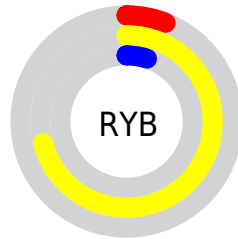
Distribution



Red (71%)

Green (70%)

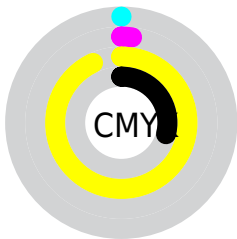
Blue (5%)



Red (6%)

Yellow (71%)

Blue (5%)

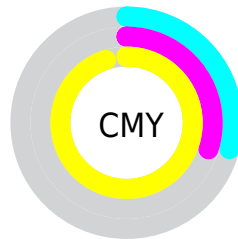


Cyan (0%)

Magenta (2%)

Yellow (93%)

Black (29%)



Cyan (29%)


Magenta (30%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2118, 0.4208, 0.5006 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 42.2118, 0.4208, 0.5006 by changing the saturation by 10% instead.


 42.2118, 0.4208,
0.5006

 42.2118, 0.4208,
0.5006

355.3602, 0.3754,
0.4193


 29.2672, 0.4274,
0.5169


 78.5201, 0.4075,
0.4736


 19.2830, 0.4328,
0.5346


 102.6525, 0.4015,
0.4626

 11.8750, 0.4402,
0.5598


 131.2830, 0.3960,
0.4529

 6.6586, 0.4299,
0.5701

 164.7960, 0.3910,
0.4445

 3.2495, 0.4139,
0.5861

 203.5758, 0.3865,
0.4370

 1.2633, 0.3853,
0.6147

 248.0068, 0.3824,

 0.1126, 0.0000,

0.4304

1.0000

298.4735, 0.3787,
0.4245

■ 0.0000, 0.0000,
0.0000

■ 42.2118, 0.4208,
0.5006

■ 42.2118, 0.4208,
0.5006

■ 42.1007, 0.4224,
0.5028

■ 42.4125, 0.4169,
0.4950

■ 42.6653, 0.4104,
0.4852

■ 42.9803, 0.4014,
0.4711

■ 43.3641, 0.3901,
0.4533

■ 43.8226, 0.3770,
0.4325

■ 44.3610, 0.3626,
0.4095

■ 44.9840, 0.3476,
0.3854

■ 45.6961, 0.3324,
0.3609

■ 46.5013, 0.3176,
0.3369

Harmonies

Analogous

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



42.2118, 0.4921, 0.4343



42.2118, 0.4208, 0.5006



42.2118, 0.3280, 0.5238

Triad

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



42.2118, 0.4208, 0.5006



42.2118, 0.1441, 0.2424



42.2118, 0.3728, 0.2358

Complementary

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



42.2118, 0.4208, 0.5006



3.8023, 0.1536, 0.0666

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.



42.2118, 0.2677, 0.1953



42.2118, 0.4208, 0.5006



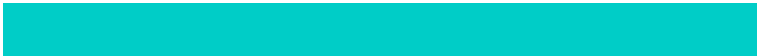
42.2118, 0.1519, 0.1926

Square

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



42.2118, 0.4208, 0.5006



42.2118, 0.1708, 0.3384



42.2118, 0.1921, 0.1796



42.2118, 0.4720, 0.2945

Rectangle

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



42.2118, 0.4208, 0.5006



42.2118, 0.2650, 0.4903



42.2118, 0.1921, 0.1796



42.2118, 0.3360, 0.2198

Sweetspot

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



42.2138, 0.4208, 0.5006



80.9325, 0.3553, 0.3978



10.2562, 0.6241, 0.3276



17.7714, 0.3618, 0.4082



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.2138, 0.4208, 0.5006



76.2642, 0.4225, 0.5027



36.3605, 0.3445, 0.5601



10.4751, 0.3264, 0.3512



29.7326, 0.4224, 0.5028



1.0569, 0.4216, 0.5035

Inverse Universe

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



3.8023, 0.1536, 0.0666



6.2150, 0.1502, 0.0608



5.8878, 0.2035, 0.0927



8.7444, 0.2984, 0.3058



2.4453, 0.1504, 0.0614



0.0949, 0.1519, 0.0669

Previews

White Background



This preview shows how the Yxy color 42.2118, 0.4208, 0.5006 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 42.2118, 0.4208, 0.5006 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 42.2118, 0.4208, 0.5006

Background



This preview shows how black text looks on a background with the Yxy color 42.2118, 0.4208, 0.5006.



This preview shows how white text looks on a background with the Yxy color 42.2118, 0.4208, 0.5006.

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

42.2118, 0.4208, 0.5006

Protanopia

42.0276, 0.4395, 0.4867

Deuteranopia

42.0590, 0.4664, 0.4573



Tritanopia

41.9964, 0.3274, 0.3124

Trichromacy



Original Color

42.2118, 0.4208, 0.5006

Protanomaly

42.1489, 0.4326, 0.4919

Deuteranomaly

41.9331, 0.4507, 0.4727

Tritanomaly

41.3810, 0.3774, 0.3998

Monochromacy



Original Color

42.2118, 0.4208, 0.5006

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.5018, 0.3672, 0.4170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2118, 0.4208, 0.5006 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(182, 179, 12)` looks like.

```
.text, #text, p{  
    color:rgb(182, 179, 12)  
}
```

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(182, 179, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 179, 12) }
```

Border

The CSS property to change the border of an element to Yxy 42.2118, 0.4208, 0.5006 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(182, 179, 12) }
```

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

```
.border{ border-color:rgb(182, 179, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 179, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 179, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 179, 12);  
box-shadow:4px 4px 4px 4px rgb(182, 179,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2118, 0.4208, 0.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 179, 12) }
```

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

```
.background{ background-color: rgb(182,  
179, 12) }
```

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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