

Converting Colors

$Y_{xy}(42.2673, 0.4208, 0.5041)$

Have a look what the booklet for
Yxy(42.2673, 0.4208, 0.5041)
contains.

Yxy(42.4663, 0.4203, 0.5045)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4663, 0.4203, 0.5045)

Conversions

Conversions Part 1

Format	Color
Hex	B5B400
RGB	181, 180, 0
RGB Percent	71%, 71%, 0%
CMY	0.2902, 0.2941, 1.0000
CMYK	0.00, 0.01, 1.00, 0.29
HSL	60°, 100%, 35%
HSV	60°, 100%, 71%
XYZ	35.3788, 42.4663, 6.3300
YIQ	159.7790, 58.3760, -55.7680

Conversions

Conversions Part 2

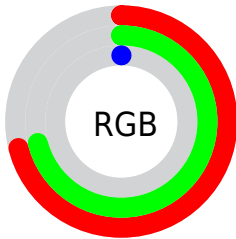
Format	Color
R _Y B	1, 181, 0
Decimal	11908096
CIE Lab	71.19, -16.15, 72.85
CIE LCh	71, 74.621, 102.502
Yxy	42.4663, 0.4203, 0.5045
Android (android.graphics.Color)	4290098176 (0xFFB5B400)
YUV	159.7790, -78.7710, 18.6108
Hunter-Lab	65.1662, -17.1330, 39.8571

Details

The Yxy color **42.4663, 0.4203, 0.5045** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.3584, 0.1501, 0.0604**, and the grayscale version is **35.3982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2562, 0.4076, 0.4773**, and **19.6493, 0.4127, 0.5105** is the 20% darker color. If you saturate the color by 10%, you get **42.4684, 0.4203, 0.5045**, and if you desaturate by 10%, it is **42.5531, 0.4179, 0.5007**.

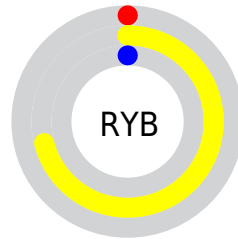
Distribution



Red (71%)

Green (71%)

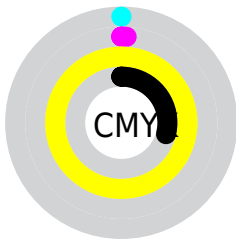
Blue (0%)



Red (0%)

Yellow (71%)

Blue (0%)

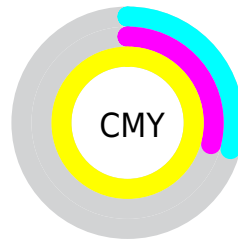


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4663, 0.4203, 0.5045 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 42.4663, 0.4203, 0.5045 by changing the saturation by 10% instead.

42.4663, 0.4203,
0.5045

42.4663, 0.4203,
0.5045

356.4123, 0.3758,
0.4215

29.4666, 0.4265,
0.5209

78.9049, 0.4075,
0.4770

19.4341, 0.4312,
0.5389

103.1125, 0.4016,
0.4658

11.9843, 0.4368,
0.5632

131.8249, 0.3962,
0.4560

6.7330, 0.4258,
0.5742

165.4265, 0.3913,
0.4473

3.2957, 0.4087,
0.5913

204.3016, 0.3868,
0.4397

1.2880, 0.3781,
0.6219

248.8347, 0.3828,

0.1319, 0.0000,

0.4329

1.0000

299.4101, 0.3791,
0.4269

■ 0.0000, 0.0000,
0.0000

■ 42.4663, 0.4203,
0.5045

■ 42.4663, 0.4203,
0.5045

■ 42.4684, 0.4203,
0.5045

■ 42.5531, 0.4179,
0.5007

■ 42.6784, 0.4134,
0.4936

■ 42.8597, 0.4064,
0.4823

■ 43.1045, 0.3969,
0.4668

■ 43.4189, 0.3852,
0.4478

■ 43.8086, 0.3718,
0.4260

■ 44.2784, 0.3574,
0.4023

■ 44.8331, 0.3424,
0.3777

■ 45.4766, 0.3274,
0.3531

Harmonies

Analogous

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



42.4663, 0.4939, 0.4367



42.4663, 0.4203, 0.5045



42.4663, 0.3257, 0.5278

Triad

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



42.4663, 0.4203, 0.5045



42.4663, 0.1413, 0.2390



42.4663, 0.3761, 0.2352

Complementary

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



42.4663, 0.4203, 0.5045



3.3584, 0.1501, 0.0604

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.



42.4663, 0.2686, 0.1937



42.4663, 0.4203, 0.5045



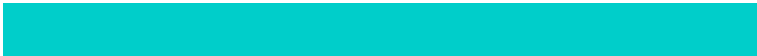
42.4663, 0.1499, 0.1896

Square

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



42.4663, 0.4203, 0.5045



42.4663, 0.1673, 0.3359



42.4663, 0.1912, 0.1773



42.4663, 0.4769, 0.2949

Rectangle

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



42.4663, 0.4203, 0.5045



42.4663, 0.2618, 0.4926



42.4663, 0.1912, 0.1773



42.4663, 0.3385, 0.2189

Sweetspot

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



42.4684, 0.4203, 0.5045



79.2468, 0.3581, 0.4035



9.8315, 0.6383, 0.3290



17.0495, 0.3642, 0.4135



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.4684, 0.4203, 0.5045



76.0390, 0.4203, 0.5045



35.4061, 0.3390, 0.5690



9.8984, 0.3263, 0.3514



29.2771, 0.4203, 0.5045



0.9238, 0.4200, 0.5047

Inverse Universe

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



3.3584, 0.1501, 0.0604



6.0034, 0.1501, 0.0603



5.3864, 0.1993, 0.0871



8.2375, 0.2985, 0.3056



2.3184, 0.1501, 0.0604



0.0754, 0.1507, 0.0623

Previews

White Background



This preview shows how the Yxy color 42.4663, 0.4203, 0.5045 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 42.4663, 0.4203, 0.5045 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 42.4663, 0.4203, 0.5045

Background



This preview shows how black text looks on a background with the Yxy color 42.4663, 0.4203, 0.5045.



This preview shows how white text looks on a background with the Yxy color 42.4663, 0.4203, 0.5045.

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

42.4663, 0.4203, 0.5045

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

42.2050, 0.4678, 0.4574



Tritanopia

42.2702, 0.3255, 0.3123

Trichromacy



Original Color

42.4663, 0.4203, 0.5045

Protanomaly

42.5206, 0.4328, 0.4946

Deuteranomaly

41.9117, 0.4519, 0.4743

Tritanomaly

41.5617, 0.3785, 0.4051

Monochromacy



Original Color

42.4663, 0.4203, 0.5045

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.9216, 0.3708, 0.4230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4663, 0.4203, 0.5045 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(181, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 180, 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(181, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 180, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.4663, 0.4203, 0.5045 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(181, 180, 0) }
```

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

```
.border{ border-color:rgb(181, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 180,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4663, 0.4203, 0.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 180, 0) }
```

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

```
.background{ background-color: rgb(181,  
180, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor