

Converting Colors

$Y_{xy}(45.3188, 0.4241, 0.5057)$

Have a look what the booklet for
Yxy(45.3188, 0.4241, 0.5057)
contains.

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Color

Yxy(45.3893, 0.4221, 0.5030)

Conversions

Conversions Part 1

Format	Color
Hex	BCB900
RGB	188, 185, 0
RGB Percent	74%, 73%, 0%
CMY	0.2627, 0.2745, 0.9992
CMYK	0.00, 0.02, 1.00, 0.26
HSL	59°, 100%, 37%
HSV	59°, 100%, 74%
XYZ	38.0891, 45.3893, 6.7588
YIQ	164.8070, 61.1730, -56.8990

Conversions

Conversions Part 2

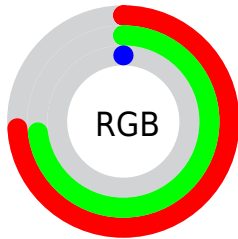
Format	Color
R _Y B	3, 188, 0
Decimal	12368128
CIE Lab	73.15, -15.63, 74.51
CIE LCh	73, 76.134, 101.844
Yxy	45.3893, 0.4221, 0.5030
Android (android.graphics.Color)	4290558208 (0xFFBCB900)
YUV	164.8070, -81.2499, 20.3403
Hunter-Lab	67.3716, -16.9837, 41.2121

Details

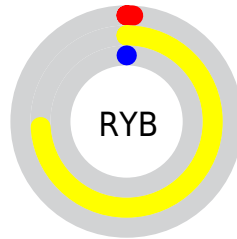
The Yxy color **45.3893, 0.4221, 0.5030** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.7017, 0.1503, 0.0611**, and the grayscale version is **37.9168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4462, 0.4093, 0.4769**, and **21.2484, 0.4168, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **45.3896, 0.4221, 0.5030**, and if you desaturate by 10%, it is **45.5637, 0.4195, 0.4995**.

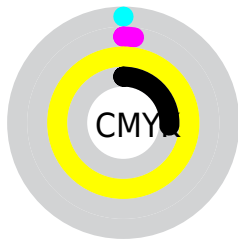
Distribution



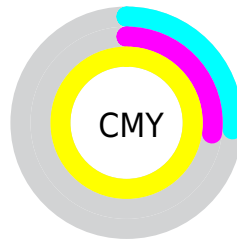
- Red (74%)
- Green (73%)
- Blue (0%)



- Red (1%)
- Yellow (74%)
- Blue (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (100%)
- Black (26%)





- Cyan (26%)
- Magenta (27%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3893, 0.4221, 0.5030 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 45.3893, 0.4221, 0.5030 by changing the saturation by 10% instead.


 45.3893, 0.4221,
0.5030


 45.3893, 0.4221,
0.5030


368.3480, 0.3773,
0.4220


 31.7642, 0.4284,
0.5188


 83.3043, 0.4092,
0.4765

 21.1814, 0.4334,
0.5359


 108.3629, 0.4033,
0.4655

 13.2567, 0.4402,
0.5598

 138.0016, 0.3979,
0.4559

 7.6055, 0.4303,
0.5697

 172.6045, 0.3929,
0.4475

 3.8436, 0.4152,
0.5848

 212.5563, 0.3884,
0.4400

 1.5865, 0.3895,
0.6105

 258.2412, 0.3843,

 0.3484, 0.0000,

0.4333

1.0000

310.0436, 0.3806,
0.4274

■ 0.0000, 0.0000,
0.0000

■ 45.3893, 0.4221,
0.5030

■ 45.3893, 0.4221,
0.5030

■ 45.3896, 0.4221,
0.5030

■ 45.5637, 0.4195,
0.4995

■ 45.7813, 0.4148,
0.4925

■ 46.0603, 0.4075,
0.4812

■ 46.4088, 0.3977,
0.4658

■ 46.8338, 0.3858,
0.4468

■ 47.3414, 0.3722,
0.4251

■ 47.9369, 0.3575,
0.4015

■ 48.6254, 0.3424,
0.3771

■ 49.4114, 0.3273,
0.3526

Harmonies

Analogous

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



45.3893, 0.4948, 0.4350



45.3893, 0.4221, 0.5030



45.3893, 0.3279, 0.5278

Triad

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



45.3893, 0.4221, 0.5030



45.3893, 0.1417, 0.2408



45.3893, 0.3735, 0.2342

Complementary

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



45.3893, 0.4221, 0.5030



3.7017, 0.1503, 0.0611

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.



45.3893, 0.2666, 0.1933



45.3893, 0.4221, 0.5030



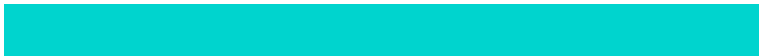
45.3893, 0.1496, 0.1905

Square

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



45.3893, 0.4221, 0.5030



45.3893, 0.1685, 0.3386



45.3893, 0.1901, 0.1775



45.3893, 0.4748, 0.2935

Rectangle

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



45.3893, 0.4221, 0.5030



45.3893, 0.2640, 0.4940



45.3893, 0.1901, 0.1775



45.3893, 0.3360, 0.2181

Sweetspot

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



45.3914, 0.4221, 0.5030



86.8082, 0.3584, 0.4030



10.7032, 0.6382, 0.3290



18.5664, 0.3647, 0.4131



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.3914, 0.4221, 0.5030



82.2238, 0.4222, 0.5030



38.5214, 0.3389, 0.5691



11.0937, 0.3265, 0.3513



30.9144, 0.4221, 0.5031



1.2193, 0.4214, 0.5036

Inverse Universe

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



3.7017, 0.1503, 0.0611



6.6652, 0.1502, 0.0607



5.8580, 0.1991, 0.0871



9.2491, 0.2984, 0.3057



2.5268, 0.1503, 0.0612



0.1074, 0.1516, 0.0659

Previews

White Background



This preview shows how the Yxy color 45.3893, 0.4221, 0.5030 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 45.3893, 0.4221, 0.5030 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 45.3893, 0.4221, 0.5030

Background



This preview shows how black text looks on a background with the Yxy color 45.3893, 0.4221, 0.5030.



This preview shows how white text looks on a background with the Yxy color 45.3893, 0.4221, 0.5030.

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

45.3893, 0.4221, 0.5030

Protanopia

45.3390, 0.4409, 0.4881

Deuteranopia

45.1595, 0.4685, 0.4574



Tritanopia

45.2872, 0.3269, 0.3128

Trichromacy



Original Color

45.3893, 0.4221, 0.5030

Protanomaly

45.4617, 0.4343, 0.4934

Deuteranomaly

44.8465, 0.4530, 0.4738

Tritanomaly

44.4880, 0.3804, 0.4053

Monochromacy



Original Color

45.3893, 0.4221, 0.5030

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.4092, 0.3710, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3893, 0.4221, 0.5030 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(188, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 185, 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(188, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 185, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.3893, 0.4221, 0.5030 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(188, 185, 0) }
```

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

```
.border{ border-color:rgb(188, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 185,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3893, 0.4221, 0.5030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 185, 0) }
```

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

```
.background{ background-color: rgb(188,  
185, 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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