

Converting Colors

$Yxy(52.7633, 0.4062, 0.5158)$

Have a look what the booklet for
Yxy(52.7633, 0.4062, 0.5158)
contains.

Yxy(52.8059, 0.4063, 0.5156)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.8059, 0.4063, 0.5156)

Conversions

Conversions Part 1

Format	Color
Hex	BBCA00
RGB	187, 202, 0
RGB Percent	73%, 79%, 0%
CMY	0.2667, 0.2078, 1.0000
CMYK	0.07, 0.00, 1.00, 0.21
HSL	64°, 100%, 40%
HSV	64°, 100%, 79%
XYZ	41.6118, 52.8059, 7.9987
YIQ	174.4870, 55.9020, -66.0020

Conversions

Conversions Part 2

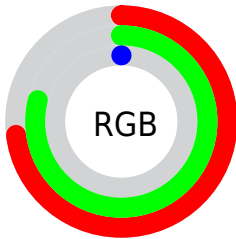
Format	Color
R_{YB}	0, 202, 15
Decimal	12306944
CIE _{Lab}	77.76, -24.48, 77.89
CIE _{LCh}	78, 81.649, 107.445
Yxy	52.8059, 0.4063, 0.5156
Android (android.graphics.Color)	4290497024 (0xFFBBCA00)
YUV	174.4870, -86.0221, 10.9739
Hunter-Lab	72.6677, -24.9537, 44.3412

Details

The Yxy color **52.8059, 0.4063, 0.5156** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.3664, 0.1521, 0.0612**, and the grayscale version is **43.0224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9343, 0.3989, 0.4844**, and **25.8469, 0.3973, 0.5228** is the 20% darker color. If you saturate the color by 10%, you get **52.8083, 0.4063, 0.5156**, and if you desaturate by 10%, it is **53.0500, 0.4055, 0.5108**.

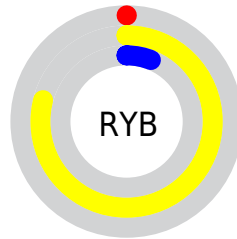
Distribution



Red (73%)

Green (79%)

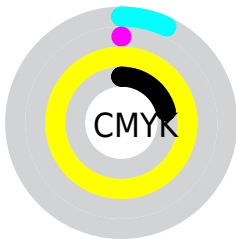
Blue (0%)



Red (0%)

Yellow (79%)

Blue (6%)

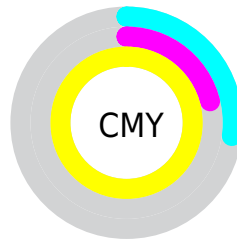


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (27%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8059, 0.4063, 0.5156 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 52.8059, 0.4063, 0.5156 by changing the saturation by 10% instead.


 52.8059, 0.4063,
0.5156


 52.8059, 0.4063,
0.5156

397.5400, 0.3709,
0.4288


 37.6478, 0.4103,
0.5329


 94.3187, 0.3969,
0.4869

 25.7095, 0.4128,
0.5523


 121.4422, 0.3923,
0.4752


 16.6064, 0.4136,
0.5756

 153.3230, 0.3880,
0.4650

 9.9543, 0.4047,
0.5953

 190.3455, 0.3840,
0.4559

 5.3687, 0.3851,
0.6149

 232.8940, 0.3803,
0.4479

 2.4652, 0.3536,
0.6464

 281.3530, 0.3769,

 0.8591, 0.2031,

0.4408

0.7969

336.1069, 0.3738,
0.4345

■ 0.0000, 0.0000,
0.0000

■ 52.8059, 0.4063,
0.5156

■ 52.8059, 0.4063,
0.5156

■ 52.8083, 0.4063,
0.5156

■ 53.0500, 0.4055,
0.5108

■ 53.3472, 0.4026,
0.5024

■ 53.7183, 0.3971,
0.4896

■ 54.1732, 0.3890,
0.4726

■ 54.7202, 0.3788,
0.4521

■ 55.3665, 0.3669,
0.4290

■ 56.1186, 0.3538,
0.4042

■ 56.9826, 0.3401,
0.3788

■ 57.9639, 0.3263,
0.3535

Harmonies

Analogous

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



52.8059, 0.4864, 0.4498



52.8059, 0.4063, 0.5156



52.8059, 0.3090, 0.5272

Triad

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



52.8059, 0.4063, 0.5156



52.8059, 0.1383, 0.2260



52.8059, 0.3959, 0.2428

Complementary

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



52.8059, 0.4063, 0.5156



4.3664, 0.1521, 0.0612

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.



52.8059, 0.2842, 0.1972



52.8059, 0.4063, 0.5156



52.8059, 0.1523, 0.1833

Square

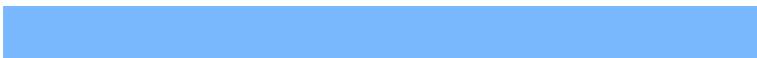
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.8059, 0.4063, 0.5156



52.8059, 0.1581, 0.3162



52.8059, 0.1997, 0.1762



52.8059, 0.4920, 0.3051

Rectangle

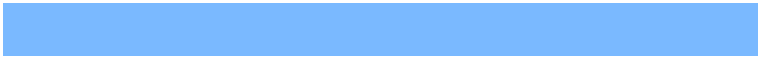
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.8059, 0.4063, 0.5156



52.8059, 0.2457, 0.4803



52.8059, 0.1997, 0.1762



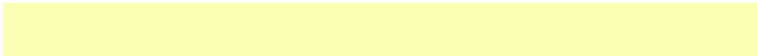
52.8059, 0.3576, 0.2252

Sweetspot

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



52.8083, 0.4063, 0.5156



94.9515, 0.3543, 0.4052



12.8577, 0.6357, 0.3335



20.2029, 0.3600, 0.4159



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.



52.8083, 0.4063, 0.5156



89.3594, 0.4061, 0.5157



44.2974, 0.3276, 0.5781



13.0526, 0.3254, 0.3520



33.9953, 0.4065, 0.5155



1.7667, 0.4091, 0.5133

Inverse Universe

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



4.3664, 0.1521, 0.0612



7.3581, 0.1517, 0.0609



7.8738, 0.2154, 0.0960



10.8832, 0.2994, 0.3051



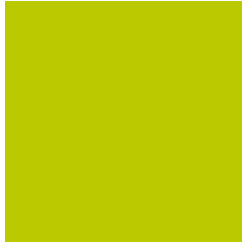
2.8245, 0.1526, 0.0614



0.1599, 0.1613, 0.0662

Previews

White Background



This preview shows how the Yxy color 52.8059, 0.4063, 0.5156 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 52.8059, 0.4063, 0.5156 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 52.8059, 0.4063, 0.5156

Background



This preview shows how black text looks on a background with the Yxy color 52.8059, 0.4063, 0.5156.



This preview shows how white text looks on a background with the Yxy color 52.8059, 0.4063, 0.5156.

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

52.8059, 0.4063, 0.5156

Protanopia

52.4510, 0.4414, 0.4877

Deuteranopia

52.4429, 0.4671, 0.4568



Tritanopia

52.6957, 0.3119, 0.3110

Trichromacy



Original Color

52.8059, 0.4063, 0.5156

Protanomaly

52.6017, 0.4281, 0.4983

Deuteranomaly

51.9789, 0.4461, 0.4785

Tritanomaly

51.4607, 0.3648, 0.4099

Monochromacy



Original Color

52.8059, 0.4063, 0.5156

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

45.0124, 0.3666, 0.4274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8059, 0.4063, 0.5156 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(187, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 202, 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(187, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 202, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.8059, 0.4063, 0.5156 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(187, 202, 0) }
```

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

```
.border{ border-color:rgb(187, 202, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 202,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8059, 0.4063, 0.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 202, 0) }
```

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

```
.background{ background-color: rgb(187,  
202, 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