

# Converting Colors

Yxy(52.5845, 0.4049, 0.5167)

Have a look what the booklet for  
Yxy(52.5845, 0.4049, 0.5167)  
contains.

<b>Yxy(52.5553, 0.4046, 0.5170)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(52.5553, 0.4046, 0.5170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9CA00
RGB	185, 202, 0
RGB Percent	73%, 79%, 0%
CMY	0.2745, 0.2078, 1.0000
CMYK	0.08, 0.00, 1.00, 0.21
HSL	65°, 100%, 40%
HSV	65°, 100%, 79%
XYZ	41.1294, 52.5553, 7.9697
YIQ	173.8890, 54.7100, -66.4260

# Conversions

## Conversions Part 2

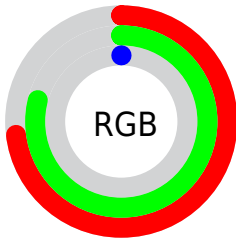
Format	Color
<b>RYB</b>	0, 202, 17
Decimal	12175872
CIELab	77.61, -25.31, 77.74
CIELCh	78, 81.755, 108.035
Yxy	52.5553, 0.4046, 0.5170
Android (android.graphics.Color)	4290365952 (0xFFB9CA00)
YUV	173.8890, -85.7273, 9.7443
Hunter-Lab	72.4950, -25.5961, 44.2285

# Details

The Yxy color **52.5553, 0.4046, 0.5170** 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 **4.3835, 0.1525, 0.0614**, and the grayscale version is **42.6980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5726, 0.3975, 0.4853**, and **25.6918, 0.3950, 0.5246** is the 20% darker color. If you saturate the color by 10%, you get **52.5582, 0.4046, 0.5170**, and if you desaturate by 10%, it is **52.8220, 0.4039, 0.5120**.

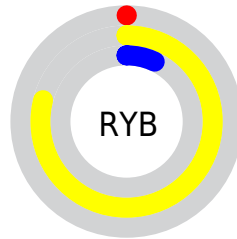
# Distribution



Red (73%)

Green (79%)

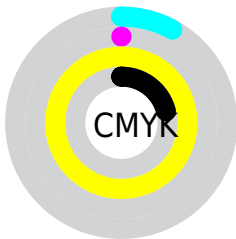
Blue (0%)



Red (0%)

Yellow (79%)

Blue (7%)

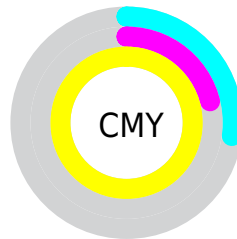


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (27%)

Magenta (21%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5553, 0.4046, 0.5170 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 52.5553, 0.4046, 0.5170 by changing the saturation by 10% instead.





 52.5553, 0.4046,  
0.5170

 52.5553, 0.4046,  
0.5170

396.5766, 0.3701,  
0.4292

 37.4479, 0.4084,  
0.5346


 93.9497, 0.3955,  
0.4879


 25.5545, 0.4106,  
0.5543


 121.0054, 0.3910,  
0.4761

 16.4906, 0.4110,  
0.5783


 152.8127, 0.3868,  
0.4657

 9.8720, 0.4016,  
0.5984

 189.7560, 0.3829,  
0.4566

 5.3142, 0.3812,  
0.6188

 232.2197, 0.3793,  
0.4485

 2.4328, 0.3482,  
0.6518

 280.5880, 0.3759,

 0.8427, 0.1785,

0.4414

0.8215

335.2456, 0.3729,  
0.4350

■ 0.0000, 0.0000,  
0.0000

■ 52.5553, 0.4046,  
0.5170

■ 52.5553, 0.4046,  
0.5170

■ 52.5582, 0.4046,  
0.5170

■ 52.8220, 0.4039,  
0.5120

■ 53.1419, 0.4012,  
0.5034

■ 53.5363, 0.3959,  
0.4904

■ 54.0150, 0.3880,  
0.4732

■ 54.5863, 0.3780,  
0.4525

■ 55.2575, 0.3662,  
0.4292

■ 56.0350, 0.3533,  
0.4043

■ 56.9250, 0.3397,  
0.3788

■ 57.9329, 0.3261,  
0.3535

# Harmonies

## Analogous

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



52.5553, 0.4855, 0.4514



52.5553, 0.4046, 0.5170



52.5553, 0.3070, 0.5271

# Triad

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



52.5553, 0.4046, 0.5170



52.5553, 0.1379, 0.2245



52.5553, 0.3984, 0.2437

# Complementary

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



52.5553, 0.4046, 0.5170



4.3835, 0.1525, 0.0614

# 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.



52.5553, 0.2862, 0.1976



52.5553, 0.4046, 0.5170



52.5553, 0.1526, 0.1826

# Square

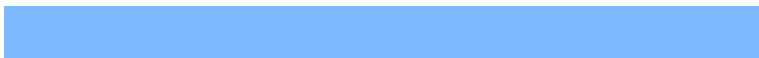
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.5553, 0.4046, 0.5170



52.5553, 0.1570, 0.3139



52.5553, 0.2008, 0.1760



52.5553, 0.4938, 0.3063



# Rectangle

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



52.5553, 0.4046, 0.5170



52.5553, 0.2437, 0.4787



52.5553, 0.2008, 0.1760



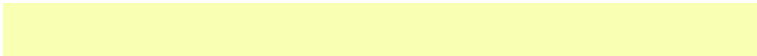
52.5553, 0.3600, 0.2260

# Sweetspot

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



52.5582, 0.4046, 0.5170



94.8145, 0.3538, 0.4054



12.9527, 0.6343, 0.3346



20.1696, 0.3594, 0.4161



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.



52.5582, 0.4046, 0.5170



88.9366, 0.4044, 0.5171



44.1350, 0.3256, 0.5797



13.0469, 0.3253, 0.3520



33.8386, 0.4048, 0.5168



1.7602, 0.4078, 0.5144



# Inverse Universe

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



4.3835, 0.1525, 0.0614



7.3844, 0.1520, 0.0611



8.1044, 0.2190, 0.0980



10.8883, 0.2995, 0.3051



2.8369, 0.1530, 0.0617



0.1623, 0.1627, 0.0670



# Previews

## White Background



This preview shows how the Yxy color 52.5553, 0.4046, 0.5170 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 52.5553, 0.4046, 0.5170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

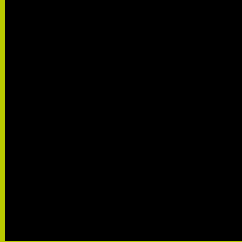
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.5553, 0.4046, 0.5170**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5553, 0.4046, 0.5170.



This preview shows how white text looks on a background with the Yxy color 52.5553, 0.4046, 0.5170.

# 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

52.5553, 0.4046, 0.5170

### Protanopia

52.2982, 0.4405, 0.4884

### Deuteranopia

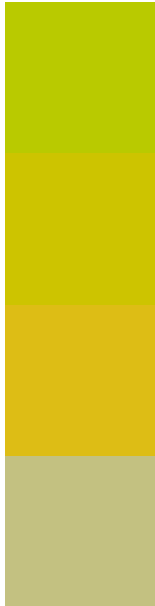
52.4429, 0.4671, 0.4568



## Tritanopia

52.5576, 0.3111, 0.3110

# Trichromacy



**Original Color**

52.5553, 0.4046, 0.5170

**Protanomaly**

52.4590, 0.4272, 0.4990

**Deuteranomaly**

51.8215, 0.4452, 0.4792

**Tritanomaly**

51.3270, 0.3639, 0.4102

# Monochromacy



**Original Color**

52.5553, 0.4046, 0.5170

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

44.8937, 0.3656, 0.4278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5553, 0.4046, 0.5170 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(185, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 202, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5553, 0.4046, 0.5170 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(185, 202, 0) }
```

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

```
.border{ border-color:rgb(185, 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(185, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 202,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5553, 0.4046, 0.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 202, 0) }
```

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

```
.background{ background-color: rgb(185,  
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](#).

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