

# Converting Colors

Yxy(53.3300, 0.4018, 0.5192)

Have a look what the booklet for  
Yxy(53.3300, 0.4018, 0.5192)  
contains.

<b>Yxy(53.3761, 0.4021, 0.5189)</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(53.3761, 0.4021, 0.5189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8CC00
RGB	184, 204, 0
RGB Percent	72%, 80%, 0%
CMY	0.2784, 0.2000, 0.9994
CMYK	0.10, 0.00, 1.00, 0.20
HSL	66°, 100%, 40%
HSV	66°, 100%, 80%
XYZ	41.3616, 53.3761, 8.1263
YIQ	174.7640, 53.5640, -67.6840

# Conversions

## Conversions Part 2

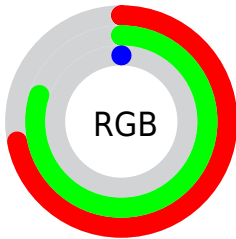
Format	Color
<a href="#">RYB</a>	0, 204, 20
Decimal	12110848
CIELab	78.10, -26.69, 78.03
CIELCh	78, 82.468, 108.883
Yxy	53.3761, 0.4021, 0.5189
Android (android.graphics.Color)	4290300928 (0xFFB8CC00)
YUV	174.7640, -86.1587, 8.1000
Hunter-Lab	73.0589, -26.7972, 44.5465

# Details

The Yxy color **53.3761, 0.4021, 0.5189** 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 **4.5133, 0.1531, 0.0617**, and the grayscale version is **43.1854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3932, 0.3968, 0.4857**, and **26.2483, 0.3918, 0.5271** is the 20% darker color. If you saturate the color by 10%, you get **53.3764, 0.4021, 0.5189**, and if you desaturate by 10%, it is **53.6796, 0.4017, 0.5137**.

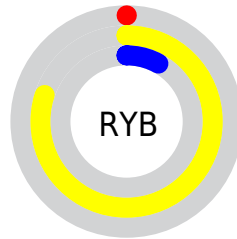
# Distribution



Red (72%)

Green (80%)

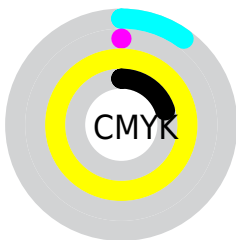
Blue (0%)



Red (0%)

Yellow (80%)

Blue (8%)

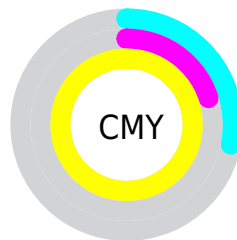


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (28%)

Magenta (20%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3761, 0.4021, 0.5189 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 53.3761, 0.4021, 0.5189 by changing the saturation by 10% instead.



53.3761, 0.4021,  
0.5189

53.3761, 0.4021,  
0.5189

399.7264, 0.3690,  
0.4301

38.1031, 0.4056,  
0.5368

95.1576, 0.3935,  
0.4895

26.0627, 0.4074,  
0.5569

122.4348, 0.3892,  
0.4775

16.8706, 0.4072,  
0.5810

154.4823, 0.3852,  
0.4670

10.1422, 0.3976,  
0.6024

191.6843, 0.3814,  
0.4578

5.4934, 0.3764,  
0.6236

234.4254, 0.3779,  
0.4496

2.5395, 0.3425,  
0.6575

283.0898, 0.3747,

0.8964, 0.1827,

0.4424

0.8173

338.0620, 0.3717,  
0.4359

■ 0.0000, 0.0000,  
0.0000

■ 53.3761, 0.4021,  
0.5189

■ 53.3761, 0.4021,  
0.5189

■ 53.3764, 0.4021,  
0.5189

■ 53.6796, 0.4017,  
0.5137

■ 54.0393, 0.3992,  
0.5048

■ 54.4763, 0.3941,  
0.4915

■ 55.0005, 0.3865,  
0.4740

■ 55.6204, 0.3767,  
0.4530

■ 56.3436, 0.3652,  
0.4295

■ 57.1767, 0.3525,  
0.4044

■ 58.1258, 0.3392,  
0.3787

■ 59.1965, 0.3258,  
0.3533

# Harmonies

## Analogous

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



53.3761, 0.4840, 0.4538



53.3761, 0.4021, 0.5189



53.3761, 0.3040, 0.5268

# Triad

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



53.3761, 0.4021, 0.5189



53.3761, 0.1374, 0.2223



53.3761, 0.4019, 0.2450

# Complementary

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



53.3761, 0.4021, 0.5189



4.5133, 0.1531, 0.0617

# 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.



53.3761, 0.2890, 0.1983



53.3761, 0.4021, 0.5189



53.3761, 0.1530, 0.1815

# Square

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



53.3761, 0.4021, 0.5189



53.3761, 0.1555, 0.3105



53.3761, 0.2023, 0.1758



53.3761, 0.4964, 0.3080



# Rectangle

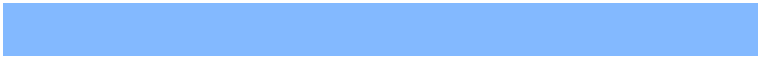
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3761, 0.4021, 0.5189



53.3761, 0.2409, 0.4764



53.3761, 0.2023, 0.1758



53.3761, 0.3634, 0.2271

# Sweetspot

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



53.3786, 0.4021, 0.5189



94.6188, 0.3531, 0.4056



13.2433, 0.6342, 0.3345



20.1221, 0.3586, 0.4164



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.



53.3786, 0.4021, 0.5189



88.3404, 0.4019, 0.5191



45.1231, 0.3256, 0.5796



13.0386, 0.3251, 0.3520



33.6173, 0.4023, 0.5187



1.7509, 0.4059, 0.5159



# Inverse Universe

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



4.5133, 0.1531, 0.0617



7.4269, 0.1526, 0.0614



8.2896, 0.2190, 0.0980



10.8958, 0.2997, 0.3051



2.8565, 0.1536, 0.0620



0.1658, 0.1648, 0.0682



# Previews

## White Background



This preview shows how the Yxy color 53.3761, 0.4021, 0.5189 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 53.3761, 0.4021, 0.5189 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 53.3761, 0.4021, 0.5189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3761, 0.4021, 0.5189.



This preview shows how white text looks on a background with the Yxy color 53.3761, 0.4021, 0.5189.

# 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

53.3761, 0.4021, 0.5189

### Protanopia

53.0454, 0.4413, 0.4878

### Deuteranopia

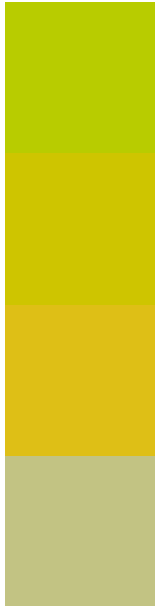
53.0372, 0.4666, 0.4568



## Tritanopia

53.3768, 0.3087, 0.3110

# Trichromacy



**Original Color**

53.3761, 0.4021, 0.5189

**Protanomaly**

53.0543, 0.4272, 0.4990

**Deuteranomaly**

52.8491, 0.4440, 0.4799

**Tritanomaly**

52.1382, 0.3608, 0.4102

# Monochromacy



**Original Color**

53.3761, 0.4021, 0.5189

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

45.7305, 0.3648, 0.4300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3761, 0.4021, 0.5189 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(184, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 204, 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(184, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 204, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3761, 0.4021, 0.5189 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(184, 204, 0) }
```

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

```
.border{ border-color:rgb(184, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 204,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3761, 0.4021, 0.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 204, 0) }
```

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

```
.background{ background-color: rgb(184,  
204, 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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