

# Converting Colors

$Yxy(53.2285, 0.3901, 0.4951)$

Have a look what the booklet for  
Yxy(53.2285, 0.3901, 0.4951)  
contains.

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# Color

**Yxy(53.2285, 0.3901, 0.4951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8CB3C
RGB	184, 203, 60
RGB Percent	72%, 80%, 24%
CMY	0.2784, 0.2039, 0.7646
CMYK	0.09, 0.00, 0.70, 0.20
HSL	68°, 58%, 52%
HSV	68°, 70%, 80%
XYZ	41.9399, 53.2285, 12.3422
YIQ	181.0170, 34.5790, -48.5010

# Conversions

## Conversions Part 2

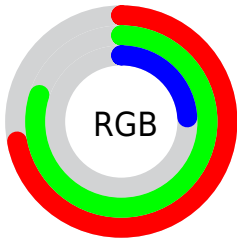
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 203, 79
Decimal	12110652
CIELab	78.01, -24.56, 65.29
CIElCh	78, 69.759, 110.612
Yxy	53.2285, 0.3901, 0.4951
Android (android.graphics.Color)	4290300732 (0xFFB8CB3C)
YUV	181.0170, -59.6614, 2.6161
Hunter-Lab	72.9579, -25.0654, 41.0405

# Details

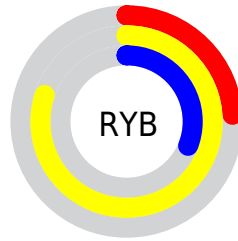
The Yxy color **53.2285, 0.3901, 0.4951** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9.2106, 0.1899, 0.1119**, and the grayscale version is **46.5362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8356, 0.3833, 0.4639**, and **26.0069, 0.3939, 0.5254** is the 20% darker color. If you saturate the color by 10%, you get **52.7257, 0.3944, 0.5090**, and if you desaturate by 10%, it is **53.8248, 0.3832, 0.4771**.

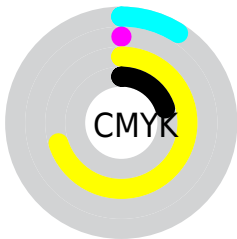
# Distribution



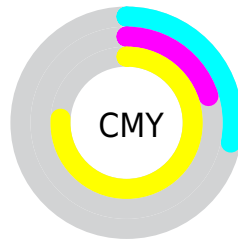
- Red (72%)
- Green (80%)
- Blue (24%)



- Red (24%)
- Yellow (80%)
- Blue (31%)



- Cyan (9%)
- Magenta (0%)
- Yellow (70%)
- Black (20%)



- Cyan (28%)
- Magenta (20%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2285, 0.3901, 0.4951 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 53.2285, 0.3901, 0.4951 by changing the saturation by 10% instead.





 53.2285, 0.3901,  
0.4951


 53.2285, 0.3901,  
0.4951


399.1612, 0.3588,  
0.4149


 37.9852, 0.3948,  
0.5127


 94.9405, 0.3810,  
0.4674


 25.9712, 0.3988,  
0.5336


 122.1780, 0.3768,  
0.4566


 16.8021, 0.4008,  
0.5578

 154.1824, 0.3731,  
0.4472

 10.0935, 0.4045,  
0.5945

 191.3381, 0.3697,  
0.4390

 5.4610, 0.3854,  
0.6146

 234.0294, 0.3665,  
0.4318

 2.5202, 0.3541,  
0.6459

282.6407, 0.3637,

 0.8867, 0.2153,

0.4255

0.7847

337.5565, 0.3612,  
0.4199

0.0000, 0.0000,  
0.0000

53.2285, 0.3901,  
0.4951

53.2285, 0.3901,  
0.4951

52.7257, 0.3944,  
0.5090

53.8248, 0.3832,  
0.4771

52.2991, 0.3962,  
0.5183

54.5159, 0.3741,  
0.4556

51.9467, 0.3960,  
0.5238

55.3115, 0.3633,  
0.4316

56.2184, 0.3513,  
0.4061

57.2426, 0.3387,  
0.3802

■ 58.3897, 0.3259,  
0.3546

■ 59.6651, 0.3132,  
0.3300

■ 61.0735, 0.3011,  
0.3068

■ 62.6198, 0.2897,  
0.2853

# Harmonies

## Analogous

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



53.2285, 0.4610, 0.4464



53.2285, 0.3901, 0.4951



53.2285, 0.3040, 0.4908

# Triad

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



53.2285, 0.3901, 0.4951



53.2285, 0.1581, 0.2354



53.2285, 0.3946, 0.2593

# Complementary

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



53.2285, 0.3901, 0.4951



9.2106, 0.1899, 0.1119

# 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.



53.2285, 0.2987, 0.2160



53.2285, 0.3901, 0.4951



53.2285, 0.1738, 0.1992

# Square

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



53.2285, 0.3901, 0.4951



53.2285, 0.1741, 0.3102



53.2285, 0.2206, 0.1946



53.2285, 0.4719, 0.3172



# Rectangle

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



53.2285, 0.3901, 0.4951



53.2285, 0.2489, 0.4456



53.2285, 0.2206, 0.1946



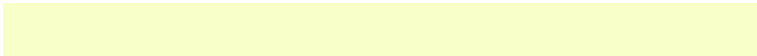
53.2285, 0.3625, 0.2428

# Sweetspot

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



53.2309, 0.3901, 0.4951



95.6934, 0.3398, 0.3824



18.2910, 0.5328, 0.3471



20.3763, 0.3433, 0.3897



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.



53.2309, 0.3901, 0.4951



87.8617, 0.3958, 0.5149



46.6740, 0.3334, 0.5325



13.0182, 0.3245, 0.3520



33.0859, 0.3963, 0.5235



1.7284, 0.4011, 0.5198



# Inverse Universe

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



9.2106, 0.1899, 0.1119



9.8175, 0.1668, 0.0777



13.8613, 0.2557, 0.1438



10.9143, 0.3003, 0.3052



2.9149, 0.1555, 0.0630



0.1744, 0.1698, 0.0709



# Previews

## White Background



This preview shows how the Yxy color 53.2285, 0.3901, 0.4951 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 53.2285, 0.3901, 0.4951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

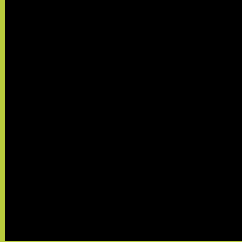
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2285, 0.3901, 0.4951**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2285, 0.3901, 0.4951.



This preview shows how white text looks on a background with the Yxy color 53.2285, 0.3901, 0.4951.

# 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

53.2285, 0.3901, 0.4951

### Protanopia

53.0343, 0.4269, 0.4704

### Deuteranopia

52.8096, 0.4510, 0.4418



## Tritanopia

53.1923, 0.3087, 0.3121

# Trichromacy



## Original Color

53.2285, 0.3901, 0.4951

## Protanomaly

53.0754, 0.4128, 0.4801

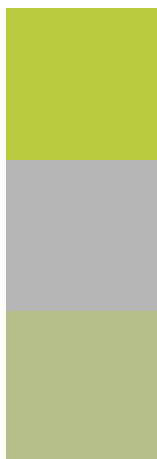
## Deuteranomaly

52.4242, 0.4294, 0.4605

## Tritanomaly

52.6347, 0.3439, 0.3837

# Monochromacy



## Original Color

53.2285, 0.3901, 0.4951

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

48.1464, 0.3474, 0.3982

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2285, 0.3901, 0.4951 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, 203, 60)` looks like.

```
.text, #text, p{  
    color:rgb(184, 203, 60)  
}
```

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, 203, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 203, 60) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2285, 0.3901, 0.4951 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, 203, 60) }
```

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

```
.border{ border-color:rgb(184, 203, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 203, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 203, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 203, 60);  
box-shadow:4px 4px 4px 4px rgb(184, 203,  
60) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2285, 0.3901, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 203, 60) }
```

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

```
.background{ background-color: rgb(184,  
203, 60) }
```

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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