

# Converting Colors

$Yxy(56.1023, 0.3873, 0.5022)$

Have a look what the booklet for  
Yxy(56.1023, 0.3873, 0.5022)  
contains.

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**Color**

**Yxy(56.0768, 0.3877, 0.5023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8D138
RGB	184, 209, 56
RGB Percent	72%, 82%, 22%
CMY	0.2784, 0.1804, 0.7805
CMYK	0.12, 0.00, 0.73, 0.18
HSL	70°, 62%, 52%
HSV	70°, 73%, 82%
XYZ	43.2828, 56.0768, 12.2804
YIQ	184.0830, 34.2130, -52.8830

# Conversions

## Conversions Part 2

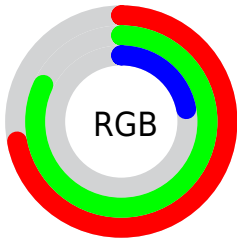
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 209, 81
Decimal	12112184
CIELab	79.66, -27.64, 68.30
CIELCh	80, 73.677, 112.034
Yxy	56.0768, 0.3877, 0.5023
Android (android.graphics.Color)	4290302264 (0xFFB8D138)
YUV	184.0830, -63.1449, -0.0728
Hunter-Lab	74.8844, -27.8756, 42.6961

# Details

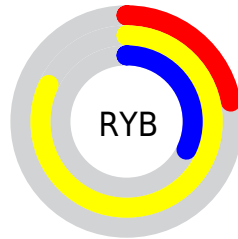
The Yxy color **56.0768, 0.3877, 0.5023** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **9.1778, 0.1881, 0.1058**, and the grayscale version is **48.3236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7669, 0.3846, 0.4663**, and **27.9547, 0.3882, 0.5300** is the 20% darker color. If you saturate the color by 10%, you get **55.4993, 0.3908, 0.5155**, and if you desaturate by 10%, it is **56.7549, 0.3821, 0.4847**.

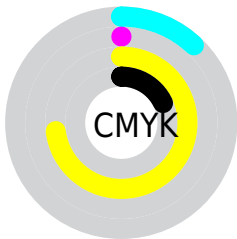
# Distribution



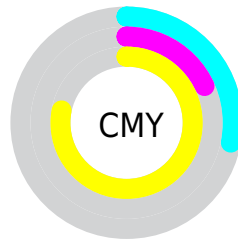
- Red (72%)
- Green (82%)
- Blue (22%)



- Red (22%)
- Yellow (82%)
- Blue (32%)



- Cyan (12%)
- Magenta (0%)
- Yellow (73%)
- Black (18%)




- Cyan (28%)
- Magenta (18%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0768, 0.3877, 0.5023 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 56.0768, 0.3877, 0.5023 by changing the saturation by 10% instead.





 56.0768, 0.3877,  
0.5023


 56.0768, 0.3877,  
0.5023


409.9809, 0.3586,  
0.4192


 40.2645, 0.3916,  
0.5204


 99.1169, 0.3795,  
0.4738


 27.7448, 0.3946,  
0.5416


 127.1134, 0.3757,  
0.4626


 18.1334, 0.3954,  
0.5662


 159.9402, 0.3722,  
0.4528

 11.0458, 0.3969,  
0.6028

 197.9815, 0.3690,  
0.4443

 6.0977, 0.3764,  
0.6236

 241.6219, 0.3660,  
0.4369

 2.9046, 0.3440,  
0.6560

291.2456, 0.3633,

 1.0821, 0.2399,

0.4303

0.7601

347.2372, 0.3608,  
0.4245

0.0000, 0.0000,  
0.0000

56.0768, 0.3877,  
0.5023

56.0768, 0.3877,  
0.5023

55.4993, 0.3908,  
0.5155

56.7549, 0.3821,  
0.4847

55.0033, 0.3912,  
0.5242

57.5354, 0.3741,  
0.4635

54.7011, 0.3905,  
0.5281

58.4292, 0.3643,  
0.4395

59.4437, 0.3531,  
0.4140

60.5856, 0.3411,  
0.3878

■ 61.8611, 0.3288,  
0.3618

■ 63.2760, 0.3166,  
0.3368

■ 64.8358, 0.3047,  
0.3131

■ 66.5454, 0.2935,  
0.2911

# Harmonies

## Analogous

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



56.0768, 0.4625, 0.4522



56.0768, 0.3877, 0.5023



56.0768, 0.2987, 0.4956

# Triad

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



56.0768, 0.3877, 0.5023



56.0768, 0.1536, 0.2292



56.0768, 0.4021, 0.2595

# Complementary

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



56.0768, 0.3877, 0.5023



9.1778, 0.1881, 0.1058

# 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.



56.0768, 0.3024, 0.2143



56.0768, 0.3877, 0.5023



56.0768, 0.1712, 0.1942

# Square

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



56.0768, 0.3877, 0.5023



56.0768, 0.1680, 0.3044



56.0768, 0.2206, 0.1911



56.0768, 0.4804, 0.3191



# Rectangle

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



56.0768, 0.3877, 0.5023



56.0768, 0.2425, 0.4461



56.0768, 0.2206, 0.1911



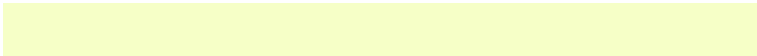
56.0768, 0.3689, 0.2424

# Sweetspot

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



56.0794, 0.3877, 0.5023



95.2024, 0.3399, 0.3852



19.4231, 0.5404, 0.3523



20.2665, 0.3433, 0.3924



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.



56.0794, 0.3877, 0.5023



86.5764, 0.3913, 0.5211



49.1730, 0.3295, 0.5421



13.6958, 0.3241, 0.3521



33.7625, 0.3910, 0.5278



1.9145, 0.3965, 0.5234



# Inverse Universe

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



9.1778, 0.1881, 0.1058



9.3813, 0.1661, 0.0747



14.4423, 0.2583, 0.1407



11.5091, 0.3007, 0.3051



3.0781, 0.1574, 0.0641



0.2017, 0.1730, 0.0727



# Previews

## White Background



This preview shows how the Yxy color 56.0768, 0.3877, 0.5023 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 56.0768, 0.3877, 0.5023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

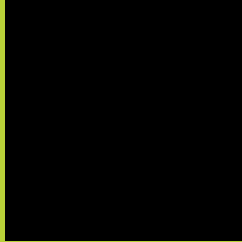
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.0768, 0.3877, 0.5023**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0768, 0.3877, 0.5023.



This preview shows how white text looks on a background with the Yxy color 56.0768, 0.3877, 0.5023.

# 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

56.0768, 0.3877, 0.5023

### Protanopia

55.5617, 0.4294, 0.4732

### Deuteranopia

55.5151, 0.4539, 0.4442



## Tritanopia

55.8255, 0.3049, 0.3112

# Trichromacy



**Original Color**

56.0768, 0.3877, 0.5023

**Protanomaly**

55.4495, 0.4147, 0.4834

**Deuteranomaly**

55.0660, 0.4292, 0.4651

**Tritanomaly**

55.1110, 0.3420, 0.3868

# Monochromacy



**Original Color**

56.0768, 0.3877, 0.5023

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

50.1364, 0.3481, 0.4025

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0768, 0.3877, 0.5023 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, 209, 56)` looks like.

```
.text, #text, p{  
    color:rgb(184, 209, 56)  
}
```

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, 209, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 209, 56) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0768, 0.3877, 0.5023 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, 209, 56) }
```

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

```
.border{ border-color:rgb(184, 209, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 209, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 209, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 209, 56);  
box-shadow:4px 4px 4px 4px rgb(184, 209,  
56) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0768, 0.3877, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 209, 56) }
```

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

```
.background{ background-color: rgb(184,  
209, 56) }
```

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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