

# Converting Colors

$Yxy(58.0922, 0.3205, 0.5248)$

Have a look what the booklet for  
Yxy(58.0922, 0.3205, 0.5248)  
contains.

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**Color**

**Yxy(58.0893, 0.3205, 0.5248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73E151
RGB	115, 225, 81
RGB Percent	45%, 88%, 32%
CMY	0.5492, 0.1176, 0.6824
CMYK	0.49, 0.00, 0.64, 0.12
HSL	106°, 71%, 60%
HSV	106°, 64%, 88%
XYZ	35.4756, 58.0893, 17.1235
YIQ	175.6940, -19.3360, -68.1040

# Conversions

## Conversions Part 2

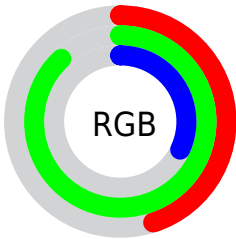
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 225, 191
Decimal	7594321
CIELab	80.79, -57.19, 58.92
CIELCh	81, 82.115, 134.147
Yxy	58.0893, 0.3205, 0.5248
Android (android.graphics.Color)	4285784401 (0xFF73E151)
YUV	175.6940, -46.6841, -53.2286
Hunter-Lab	76.2163, -50.2940, 40.0308

# Details

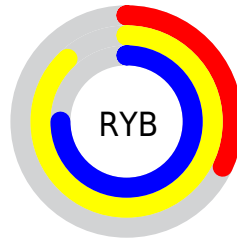
The Yxy color **58.0893, 0.3205, 0.5248** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **22.4013, 0.2838, 0.1672**, and the grayscale version is **43.4983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2962, 0.3274, 0.4673**, and **29.1268, 0.3121, 0.5801** is the 20% darker color. If you saturate the color by 10%, you get **56.7500, 0.3184, 0.5522**, and if you desaturate by 10%, it is **59.7627, 0.3214, 0.4933**.

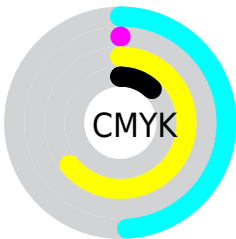
# Distribution



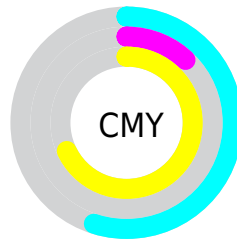
- Red (45%)
- Green (88%)
- Blue (32%)



- Red (32%)
- Yellow (88%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (64%)
- Black (12%)




- Cyan (55%)
- Magenta (12%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0893, 0.3205, 0.5248 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 58.0893, 0.3205, 0.5248 by changing the saturation by 10% instead.



 58.0893, 0.3205,  
0.5248

 58.0893, 0.3205,  
0.5248

417.5186, 0.3234,  
0.4245

 41.8804, 0.3174,  
0.5493

 102.0529, 0.3233,  
0.4884

 29.0077, 0.3120,  
0.5800


 130.5764, 0.3238,  
0.4747


 19.0866, 0.3027,  
0.6189


 163.9736, 0.3241,  
0.4631

 11.7329, 0.2860,  
0.6686

 202.6289, 0.3241,  
0.4531

 6.5621, 0.2590,  
0.7410

 246.9266, 0.3240,  
0.4445

 3.1898, 0.1988,  
0.8012

297.2512, 0.3239,

 1.2316, 0.0000,

0.4370

1.0000

353.9871, 0.3237,  
0.4303

■ 0.0873, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.0893, 0.3205,  
0.5248

■ 58.0893, 0.3205,  
0.5248

■ 56.7500, 0.3184,  
0.5522

■ 59.7627, 0.3214,  
0.4933

■ 55.7136, 0.3151,  
0.5736


■ 61.7840, 0.3212,  
0.4600

■ 54.9555, 0.3110,  
0.5877

■ 64.1749, 0.3202,  
0.4267

■ 54.6149, 0.3085,  
0.5933


■ 66.9532, 0.3184,  
0.3949

 70.1355, 0.3162,  
0.3655

 73.7374, 0.3137,  
0.3389

 77.7737, 0.3112,  
0.3151

 81.8664, 0.3124,  
0.2998

 82.3361, 0.3141,  
0.2999

# Harmonies

## Analogous

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



58.0893, 0.4150, 0.5062



58.0893, 0.3205, 0.5248



58.0893, 0.2289, 0.4520

# Triad

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



58.0893, 0.3205, 0.5248



58.0893, 0.1523, 0.1891



58.0893, 0.4797, 0.2988

# Complementary

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



58.0893, 0.3205, 0.5248



22.4013, 0.2838, 0.1672

# 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.



58.0893, 0.3818, 0.2387



58.0893, 0.3205, 0.5248



58.0893, 0.1953, 0.1785

# Square

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



58.0893, 0.3205, 0.5248



58.0893, 0.1420, 0.2360



58.0893, 0.2743, 0.1963



58.0893, 0.5190, 0.3674



# Rectangle

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



58.0893, 0.3205, 0.5248



58.0893, 0.1826, 0.3700



58.0893, 0.2743, 0.1963



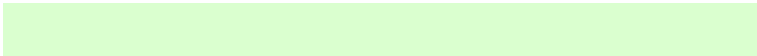
58.0893, 0.4515, 0.2775

# Sweetspot

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



58.0918, 0.3205, 0.5248



90.9049, 0.3174, 0.3802



53.0002, 0.4261, 0.4451



19.2022, 0.3180, 0.3888



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.



58.0918, 0.3205, 0.5248



74.8330, 0.3173, 0.5606



56.8890, 0.2879, 0.4885



15.4925, 0.3151, 0.3530



31.5128, 0.3093, 0.5926



2.2250, 0.3200, 0.5841



# Inverse Universe

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



22.4013, 0.2838, 0.1672



23.8222, 0.2752, 0.1431



25.5663, 0.3612, 0.2138



13.7642, 0.3100, 0.3056



8.2381, 0.2621, 0.1217

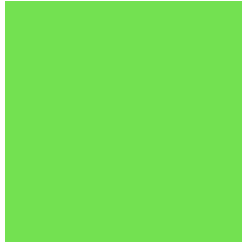


0.6109, 0.2715, 0.1270



# Previews

## White Background



This preview shows how the Yxy color 58.0893, 0.3205, 0.5248 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 58.0893, 0.3205, 0.5248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

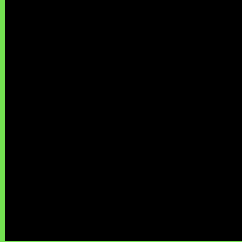
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.0893, 0.3205, 0.5248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0893, 0.3205, 0.5248.

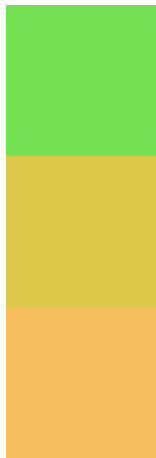


This preview shows how white text looks on a background with the Yxy color 58.0893, 0.3205, 0.5248.

# 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

58.0893, 0.3205, 0.5248

### Protanopia

57.3326, 0.4190, 0.4618

### Deuteranopia

57.1924, 0.4367, 0.4280



## Tritanopia

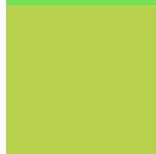
57.9408, 0.2572, 0.3075

# Trichromacy



## Original Color

58.0893, 0.3205, 0.5248



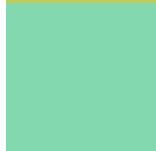
## Protanomaly

56.2040, 0.3783, 0.4869



## Deuteranomaly

55.4222, 0.3889, 0.4645



## Tritanomaly

57.1124, 0.2819, 0.3851

# Monochromacy



## Original Color

58.0893, 0.3205, 0.5248



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

47.3767, 0.3194, 0.4043

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0893, 0.3205, 0.5248 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(115, 225, 81)` looks like.

```
.text, #text, p{  
    color:rgb(115, 225, 81)  
}
```

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(115, 225, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 225, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0893, 0.3205, 0.5248 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(115, 225, 81) }
```

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

```
.border{ border-color:rgb(115, 225, 81) }
```

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

Here you see how a box with a 4 pixel rgb(115, 225, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 225, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 225, 81);  
box-shadow:4px 4px 4px 4px rgb(115, 225,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0893, 0.3205, 0.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 225, 81) }
```

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

```
.background{ background-color: rgb(115,  
225, 81) }
```

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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