

# Converting Colors

$Yxy(60.7537, 0.4592, 0.4539)$

Have a look what the booklet for  
Yxy(60.7537, 0.4592, 0.4539)  
contains.

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# Color

**Yxy(60.9789, 0.4588, 0.4543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC433
RGB	255, 196, 51
RGB Percent	100%, 77%, 20%
CMY	0.0000, 0.2314, 0.7997
CMYK	0.00, 0.23, 0.80, 0.00
HSL	43°, 100%, 60%
HSV	43°, 80%, 100%
XYZ	61.5829, 60.9789, 11.6642
YIQ	197.1110, 81.7090, -32.5870

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 255, 51
Decimal	16761907
CIELab	82.37, 8.66, 74.61
CIELCh	82, 75.113, 83.380
Yxy	60.9789, 0.4588, 0.4543
Android (android.graphics.Color)	4294951987 (0xFFFFC433)
YUV	197.1110, -72.0327, 50.7687
Hunter-Lab	78.0890, 4.1138, 45.8061

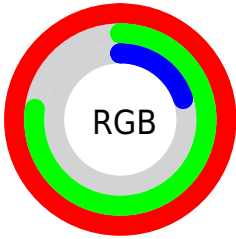
# Details

The Yxy color **60.9789, 0.4588, 0.4543** is a light color, and the websafe version is hex **FFCC33**.

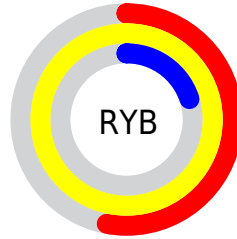
The color can be described as light washed yellow. A complement of this color would be **19.0939, 0.1772, 0.1353**, and the grayscale version is **56.3164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0066, 0.3959, 0.4618**, and **30.9824, 0.4741, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **57.5652, 0.4724, 0.4568**, and if you desaturate by 10%, it is **64.6800, 0.4422, 0.4469**.

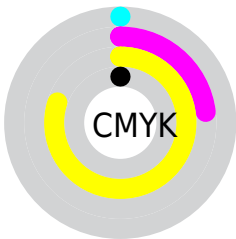
# Distribution



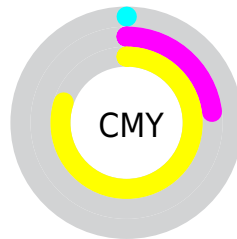
- Red (100%)
- Green (77%)
- Blue (20%)



- Red (53%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (23%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9789, 0.4588, 0.4543 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 60.9789, 0.4588, 0.4543 by changing the saturation by 10% instead.





 60.9789, 0.4588,  
0.4543


 60.9789, 0.4588,  
0.4543


428.1966, 0.3958,  
0.4034

 44.2081, 0.4704,  
0.4627

 106.2484, 0.4389,  
0.4390

 30.8342, 0.4830,  
0.4710


 135.5159, 0.4305,  
0.4323

 20.4726, 0.4959,  
0.4783


 169.7178, 0.4231,  
0.4263

 12.7390, 0.5127,  
0.4873

 209.2384, 0.4164,  
0.4208

 7.2491, 0.5178,  
0.4822

 254.4623, 0.4104,  
0.4158

 3.6184, 0.5256,  
0.4744

305.7736, 0.4051,

 1.4625, 0.5385,

0.4113

363.5570, 0.4002,  
0.4072

0.4615

0.2621, 0.6373,  
0.3627

0.0000, 0.0000,  
0.0000

60.9789, 0.4588,  
0.4543

60.9789, 0.4588,  
0.4543

57.5652, 0.4724,  
0.4568

64.6800, 0.4422,  
0.4469

54.4070, 0.4831,  
0.4546

68.6875, 0.4236,  
0.4350

54.3981, 0.4831,  
0.4546

73.0189, 0.4038,  
0.4199

77.6891, 0.3837,  
0.4025

■ 82.7120, 0.3642,  
0.3840

■ 88.1001, 0.3456,  
0.3652

■ 93.8652, 0.3284,  
0.3467

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



60.9789, 0.4987, 0.3882



60.9789, 0.4588, 0.4543



60.9789, 0.3835, 0.5022

# Triad

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



60.9789, 0.4588, 0.4543



60.9789, 0.1677, 0.3005



60.9789, 0.3068, 0.2166

# Complementary

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



60.9789, 0.4588, 0.4543



19.0939, 0.1772, 0.1353

# 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.



60.9789, 0.2243, 0.1925



60.9789, 0.4588, 0.4543



60.9789, 0.1548, 0.2277

# Square

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



60.9789, 0.4588, 0.4543



60.9789, 0.2160, 0.4061



60.9789, 0.1737, 0.1944



60.9789, 0.4057, 0.2625



# Rectangle

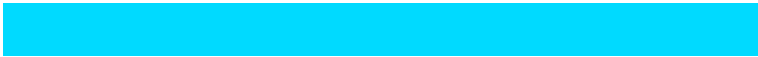
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.9789, 0.4588, 0.4543



60.9789, 0.3247, 0.5042



60.9789, 0.1737, 0.1944



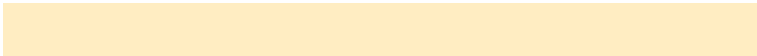
60.9789, 0.2762, 0.2059

# Sweetspot

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



60.9791, 0.4588, 0.4543



85.8844, 0.3529, 0.3727



24.8096, 0.5157, 0.2820



17.9742, 0.3596, 0.3794



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.



60.9791, 0.4588, 0.4543



55.6353, 0.4791, 0.4558



86.0882, 0.3850, 0.5167



20.1506, 0.3276, 0.3458



28.6936, 0.4818, 0.4556



2.9818, 0.4730, 0.4627



# Inverse Universe

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



19.0939, 0.1772, 0.1353



13.1747, 0.1621, 0.1011



11.8622, 0.1802, 0.0904



18.2338, 0.2979, 0.3116



6.5368, 0.1603, 0.0969



0.8145, 0.1663, 0.1186



# Previews

## White Background



This preview shows how the Yxy color 60.9789, 0.4588, 0.4543 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 60.9789, 0.4588, 0.4543 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 60.9789, 0.4588, 0.4543**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9789, 0.4588, 0.4543.



This preview shows how white text looks on a background with the Yxy color 60.9789, 0.4588, 0.4543.

# 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

60.9789, 0.4588, 0.4543

### Protanopia

61.2319, 0.4293, 0.4747

### Deuteranopia

60.7982, 0.4496, 0.4407



## Tritanopia

60.8779, 0.3612, 0.3177

# Trichromacy



**Original Color**

60.9789, 0.4588, 0.4543

**Protanomaly**

60.8488, 0.4402, 0.4670

**Deuteranomaly**

60.6836, 0.4538, 0.4461

**Tritanomaly**

60.1312, 0.4051, 0.3761

# Monochromacy



**Original Color**

60.9789, 0.4588, 0.4543

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

56.8515, 0.3711, 0.3913

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9789, 0.4588, 0.4543 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(255, 196, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 51)  
}
```

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(255, 196, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9789, 0.4588, 0.4543 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(255, 196, 51) }
```

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

```
.border{ border-color:rgb(255, 196, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9789, 0.4588, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 51) }
```

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

```
.background{ background-color: rgb(255,  
196, 51) }
```

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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