

# Converting Colors

Yxy(67.0148, 0.4494, 0.4670)

Have a look what the booklet for  
Yxy(67.0148, 0.4494, 0.4670)  
contains.

<b>Yxy(67.0504, 0.4493, 0.4670)</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(67.0504, 0.4493, 0.4670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD12D
RGB	255, 209, 45
RGB Percent	100%, 82%, 18%
CMY	0.0001, 0.1803, 0.8238
CMYK	0.00, 0.18, 0.82, 0.00
HSL	47°, 100%, 59%
HSV	47°, 82%, 100%
XYZ	64.5091, 67.0504, 12.0174
YIQ	204.0580, 80.0600, -41.2520

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">104, 255, 45</a>
Decimal	<a href="#">16765229</a>
CIELab	<a href="#">85.53, 1.78, 79.12</a>
CIElCh	<a href="#">86, 79.135, 88.713</a>
Yxy	<a href="#">67.0504, 0.4493, 0.4670</a>
Android (android.graphics.Color)	<a href="#">4294955309</a> ( <a href="#">0xFFFFD12D</a> )
YUV	<a href="#">204.0580, -78.4156, 44.6761</a>
Hunter-Lab	<a href="#">81.8843, -2.6739, 48.6176</a>

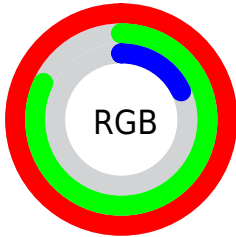
# Details

The Yxy color **67.0504, 0.4493, 0.4670** 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 **15.2417, 0.1700, 0.1134**, and the grayscale version is **60.8867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8415, 0.3957, 0.4661**, and **34.7801, 0.4591, 0.4736** is the 20% darker color. If you saturate the color by 10%, you get **64.2223, 0.4593, 0.4696**, and if you desaturate by 10%, it is **70.0992, 0.4363, 0.4595**.

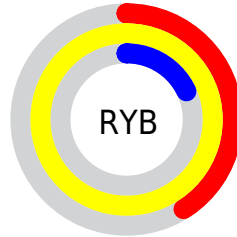
# Distribution



Red (100%)

Green (82%)

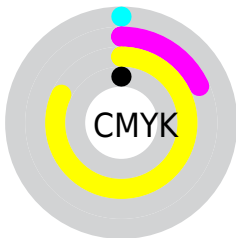
Blue (18%)



Red (41%)

Yellow (100%)

Blue (18%)

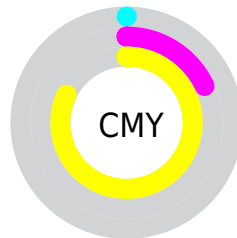


Cyan (0%)

Magenta (18%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0504, 0.4493, 0.4670 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 67.0504, 0.4493, 0.4670 by changing the saturation by 10% instead.





 67.0504, 0.4493,  
0.4670

 67.0504, 0.4493,  
0.4670


450.1241, 0.3928,  
0.4106


 49.1256, 0.4591,  
0.4766


 114.9926, 0.4320,  
0.4499


 34.7191, 0.4694,  
0.4864


 145.7788, 0.4245,  
0.4425


 23.4466, 0.4794,  
0.4957


 181.6210, 0.4178,  
0.4358

 14.9236, 0.4923,  
0.5077

 222.9034, 0.4118,  
0.4297

 8.7658, 0.4933,  
0.5067

 270.0105, 0.4063,  
0.4242

 4.5887, 0.4947,  
0.5053

323.3268, 0.4014,

 2.0080, 0.4970,

0.4192

0.5030

383.2365, 0.3969,  
0.4147

■ 0.6121, 0.5053,  
0.4947

■ 0.0000, 0.0000,  
0.0000

■ 67.0504, 0.4493,  
0.4670

■ 67.0504, 0.4493,  
0.4670

■ 64.2223, 0.4593,  
0.4696

■ 70.0992, 0.4363,  
0.4595

■ 62.1864, 0.4652,  
0.4688

■ 73.3786, 0.4208,  
0.4476

■ 76.9079, 0.4035,  
0.4320

■ 80.7015, 0.3854,  
0.4137

84.7721, 0.3670,  
0.3939

89.1315, 0.3491,  
0.3735

93.7903, 0.3321,  
0.3532

98.7587, 0.3163,  
0.3335

99.9971, 0.3127,  
0.3290

# Harmonies

## Analogous

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



67.0504, 0.4985, 0.4007



67.0504, 0.4493, 0.4670



67.0504, 0.3686, 0.5094

# Triad

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



67.0504, 0.4493, 0.4670



67.0504, 0.1604, 0.2833



67.0504, 0.3241, 0.2216

# Complementary

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



67.0504, 0.4493, 0.4670



15.2417, 0.1700, 0.1134

# 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.



67.0504, 0.2353, 0.1928



67.0504, 0.4493, 0.4670



67.0504, 0.1534, 0.2170

# Square

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



67.0504, 0.4493, 0.4670



67.0504, 0.2027, 0.3878



67.0504, 0.1781, 0.1897



67.0504, 0.4244, 0.2712



# Rectangle

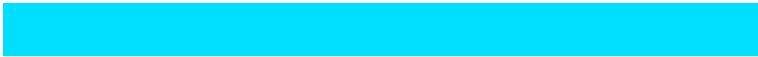
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0504, 0.4493, 0.4670



67.0504, 0.3083, 0.5026



67.0504, 0.1781, 0.1897



67.0504, 0.2917, 0.2094

# Sweetspot

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



67.0537, 0.4493, 0.4670



87.9715, 0.3538, 0.3789



23.9362, 0.5456, 0.2955



18.5003, 0.3600, 0.3861



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.



67.0537, 0.4493, 0.4670



62.4580, 0.4644, 0.4690



83.8375, 0.3757, 0.5269



20.3764, 0.3275, 0.3474



32.7283, 0.4643, 0.4696



3.3456, 0.4581, 0.4745



# Inverse Universe

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



15.2417, 0.1700, 0.1134



10.2425, 0.1562, 0.0817



11.8546, 0.1847, 0.0899



18.0222, 0.2979, 0.3099



5.4184, 0.1563, 0.0826



0.6801, 0.1618, 0.1024



# Previews

## White Background



This preview shows how the Yxy color 67.0504, 0.4493, 0.4670 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 67.0504, 0.4493, 0.4670 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 67.0504, 0.4493, 0.4670**

## Background



This preview shows how black text looks on a background with the Yxy color 67.0504, 0.4493, 0.4670.



This preview shows how white text looks on a background with the Yxy color 67.0504, 0.4493, 0.4670.

# 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

67.0504, 0.4493, 0.4670

### Protanopia

66.9912, 0.4340, 0.4781

### Deuteranopia

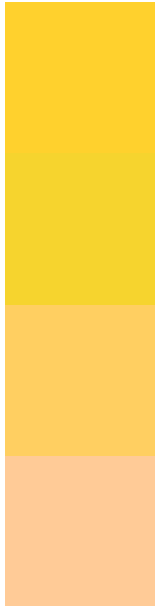
66.9090, 0.4113, 0.4102



## Tritanopia

66.8100, 0.3482, 0.3168

# Trichromacy



**Original Color**

67.0504, 0.4493, 0.4670

**Protanomaly**

66.8771, 0.4396, 0.4738

**Deuteranomaly**

66.7487, 0.4290, 0.4357

**Tritanomaly**

66.2062, 0.3945, 0.3830

# Monochromacy



**Original Color**

67.0504, 0.4493, 0.4670

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

61.9059, 0.3705, 0.3976

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0504, 0.4493, 0.4670 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, 209, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 45)  
}
```

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, 209, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 45) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0504, 0.4493, 0.4670 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, 209, 45) }
```

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

```
.border{ border-color:rgb(255, 209, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
45) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0504, 0.4493, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 45) }
```

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

```
.background{ background-color: rgb(255,  
209, 45) }
```

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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