

# Converting Colors

Yxy(66.6930, 0.4375, 0.4849)

Have a look what the booklet for  
Yxy(66.6930, 0.4375, 0.4849)  
contains.

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# Color

**Yxy(66.6930, 0.4375, 0.4849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D61A
RGB	240, 214, 26
RGB Percent	94%, 84%, 10%
CMY	0.0587, 0.1608, 0.8984
CMYK	0.00, 0.11, 0.89, 0.06
HSL	53°, 88%, 52%
HSV	53°, 89%, 94%
XYZ	60.1736, 66.6930, 10.6731
YIQ	200.3420, 75.8440, -52.9560

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	56, 240, 26
Decimal	15783450
CIELab	85.35, -7.52, 82.52
CIELCh	85, 82.865, 95.204
Yxy	66.6930, 0.4375, 0.4849
Android (android.graphics.Color)	4293973530 (0xFFFF0D61A)
YUV	200.3420, -85.9506, 34.7801
Hunter-Lab	81.6658, -11.3914, 49.4173

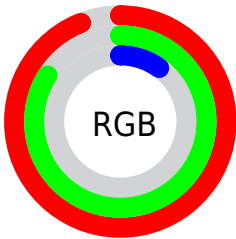
# Details

The Yxy color **66.6930, 0.4375, 0.4849** is a light color, and the websafe version is hex **FFCC00**.

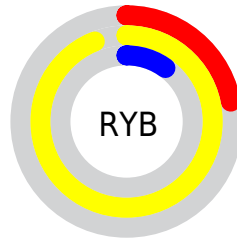
The color can be described as light washed yellow. A complement of this color would be **8.9619, 0.1586, 0.0818**, and the grayscale version is **58.4843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **34.7253, 0.4392, 0.4895** is the 20% darker color. If you saturate the color by 10%, you get **65.1626, 0.4425, 0.4865**, and if you desaturate by 10%, it is **68.3416, 0.4299, 0.4792**.

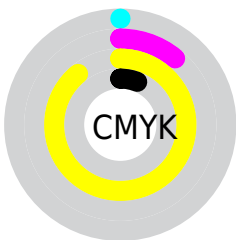
# Distribution



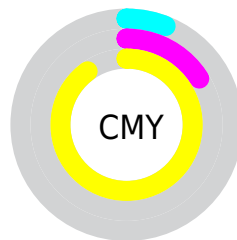
- Red (94%)
- Green (84%)
- Blue (10%)



- Red (22%)
- Yellow (94%)
- Blue (10%)



- Cyan (0%)
- Magenta (11%)
- Yellow (89%)
- Black (6%)




- Cyan (6%)
- Magenta (16%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6930, 0.4375, 0.4849 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 66.6930, 0.4375, 0.4849 by changing the saturation by 10% instead.





 66.6930, 0.4375,  
0.4849

 66.6930, 0.4375,  
0.4849


448.8512, 0.3879,  
0.4195


 48.8352, 0.4453,  
0.4964

 114.4804, 0.4229,  
0.4647


 34.4888, 0.4529,  
0.5085


 145.1788, 0.4164,  
0.4561


 23.2693, 0.4593,  
0.5205


 180.9261, 0.4105,  
0.4483

 14.7925, 0.4657,  
0.5343

 222.1068, 0.4051,  
0.4413

 8.6739, 0.4615,  
0.5385

 269.1053, 0.4002,  
0.4350

 4.5291, 0.4551,  
0.5449

 322.3059, 0.3957,

 1.9737, 0.4446,

0.4293

0.5554

382.0931, 0.3916,  
0.4242

■ 0.5921, 0.3905,  
0.6095

■ 0.0000, 0.0000,  
0.0000

■ 66.6930, 0.4375,  
0.4849

■ 66.6930, 0.4375,  
0.4849

■ 65.1626, 0.4425,  
0.4865


■ 68.3416, 0.4299,  
0.4792

■ 65.0429, 0.4429,  
0.4866

■ 70.1220, 0.4195,  
0.4689


■ 72.0525, 0.4066,  
0.4544


■ 74.1456, 0.3918,  
0.4364

 76.4126, 0.3757,  
0.4159

 78.8635, 0.3592,  
0.3939

 81.5074, 0.3427,  
0.3713

 84.3529, 0.3267,  
0.3490

 87.4079, 0.3115,  
0.3273

# Harmonies

## Analogous

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



66.6930, 0.4989, 0.4172



66.6930, 0.4375, 0.4849



66.6930, 0.3494, 0.5204

# Triad

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



66.6930, 0.4375, 0.4849



66.6930, 0.1501, 0.2617



66.6930, 0.3474, 0.2269

# Complementary

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



66.6930, 0.4375, 0.4849



8.9619, 0.1586, 0.0818

# 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.



66.6930, 0.2493, 0.1921



66.6930, 0.4375, 0.4849



66.6930, 0.1504, 0.2029

# Square

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



66.6930, 0.4375, 0.4849



66.6930, 0.1849, 0.3646



66.6930, 0.1827, 0.1826



66.6930, 0.4497, 0.2816



# Rectangle

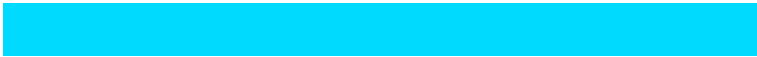
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.6930, 0.4375, 0.4849



66.6930, 0.2868, 0.5014



66.6930, 0.1827, 0.1826



66.6930, 0.3121, 0.2127

# Sweetspot

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



66.6962, 0.4375, 0.4849



91.1077, 0.3557, 0.3892



19.5352, 0.5976, 0.3156



19.2860, 0.3614, 0.3969



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.



66.6962, 0.4375, 0.4849



74.5736, 0.4429, 0.4865



70.0395, 0.3599, 0.5461



18.1119, 0.3271, 0.3496



35.7298, 0.4424, 0.4869



3.0638, 0.4390, 0.4897



# Inverse Universe

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



8.9619, 0.1586, 0.0818



8.1998, 0.1520, 0.0672



9.9961, 0.1899, 0.0869



15.5382, 0.2980, 0.3076



4.0299, 0.1525, 0.0690



0.4345, 0.1574, 0.0865



# Previews

## White Background



This preview shows how the Yxy color 66.6930, 0.4375, 0.4849 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 66.6930, 0.4375, 0.4849 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 66.6930, 0.4375, 0.4849**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6930, 0.4375, 0.4849.



This preview shows how white text looks on a background with the Yxy color 66.6930, 0.4375, 0.4849.

# 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

66.6930, 0.4375, 0.4849

### Protanopia

66.6930, 0.4375, 0.4849

### Deuteranopia

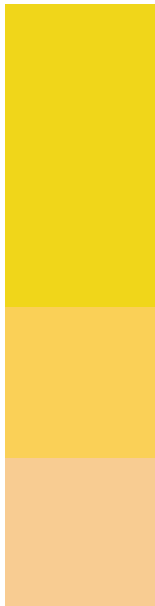
66.3278, 0.4146, 0.4130



## Tritanopia

66.3973, 0.3434, 0.3136

# Trichromacy



## Original Color

66.6930, 0.4375, 0.4849

## Protanomaly

66.6930, 0.4375, 0.4849

## Deuteranomaly

66.1239, 0.4297, 0.4460

## Tritanomaly

65.2175, 0.3921, 0.3904

# Monochromacy



## Original Color

66.6930, 0.4375, 0.4849

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

59.9159, 0.3707, 0.4086

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6930, 0.4375, 0.4849 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(240, 214, 26)` looks like.

```
.text, #text, p{  
    color:rgb(240, 214, 26)  
}
```

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(240, 214, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 214, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6930, 0.4375, 0.4849 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(240, 214, 26) }
```

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

```
.border{ border-color:rgb(240, 214, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 214, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 214, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 214, 26);  
box-shadow:4px 4px 4px 4px rgb(240, 214,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6930, 0.4375, 0.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 214, 26) }
```

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

```
.background{ background-color: rgb(240,  
214, 26) }
```

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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