

# Converting Colors

Yxy(68.2878, 0.4365, 0.4822)

Have a look what the booklet for  
Yxy(68.2878, 0.4365, 0.4822)  
contains.

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# **Color**

**Yxy(68.2878, 0.4365, 0.4822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D823
RGB	243, 216, 35
RGB Percent	95%, 85%, 14%
CMY	0.0471, 0.1529, 0.8627
CMYK	0.00, 0.11, 0.86, 0.05
HSL	52°, 90%, 55%
HSV	52°, 86%, 95%
XYZ	61.8159, 68.2878, 11.5135
YIQ	203.4390, 74.1930, -50.5670

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">66, 243, 35</a>
Decimal	<a href="#">15980579</a>
CIELab	<a href="#">86.15, -7.10, 81.55</a>
CIELCh	<a href="#">86, 81.854, 94.976</a>
Yxy	<a href="#">68.2878, 0.4365, 0.4822</a>
Android (android.graphics.Color)	<a href="#">4294170659 (0xFFFF3D823)</a>
YUV	<a href="#">203.4390, -83.0404, 34.6950</a>
Hunter-Lab	<a href="#">82.6364, -11.0875, 49.5848</a>

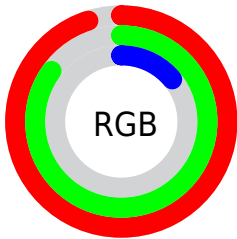
# Details

The Yxy color **68.2878, 0.4365, 0.4822** 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 **10.2705, 0.1622, 0.0896**, and the grayscale version is **60.5114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7196, 0.3982, 0.4703**, and **35.7857, 0.4400, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **66.5942, 0.4425, 0.4849**, and if you desaturate by 10%, it is **70.1186, 0.4276, 0.4750**.

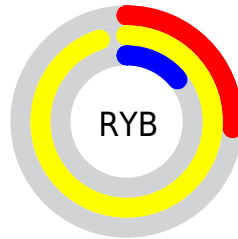
# Distribution



Red (95%)

Green (85%)

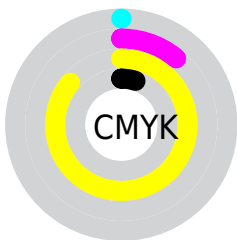
Blue (14%)



Red (26%)

Yellow (95%)

Blue (14%)

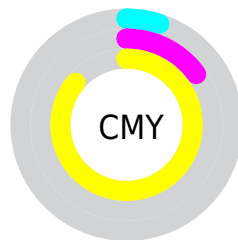


Cyan (0%)

Magenta (11%)

Yellow (86%)

Black (5%)



Cyan (5%)

Magenta (15%)


Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2878, 0.4365, 0.4822 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 68.2878, 0.4365, 0.4822 by changing the saturation by 10% instead.





 68.2878, 0.4365,  
0.4822

 68.2878, 0.4365,  
0.4822

454.5150, 0.3871,  
0.4179


 50.1319, 0.4444,  
0.4936


 116.7638, 0.4219,  
0.4623

 35.5182, 0.4523,  
0.5057


 147.8526, 0.4154,  
0.4538


 24.0623, 0.4592,  
0.5178

 184.0213, 0.4095,  
0.4462

 15.3799, 0.4672,  
0.5328

 225.6541, 0.4041,  
0.4393

 9.0864, 0.4633,  
0.5367

 273.1355, 0.3993,  
0.4331

 4.7976, 0.4575,  
0.5425

 326.8498, 0.3948,

 2.1290, 0.4480,

0.4276

0.5520

387.1816, 0.3908,  
0.4225

0.6809, 0.4103,  
0.5897

0.0000, 0.0000,  
0.0000

68.2878, 0.4365,  
0.4822

68.2878, 0.4365,  
0.4822

66.5942, 0.4425,  
0.4849

70.1186, 0.4276,  
0.4750

65.8750, 0.4446,  
0.4852


72.0946, 0.4160,  
0.4632


74.2337, 0.4021,  
0.4474


76.5484, 0.3865,  
0.4285

 79.0496, 0.3701,  
0.4075

 81.7475, 0.3533,  
0.3853

 84.6512, 0.3369,  
0.3629

 87.7692, 0.3211,  
0.3409

 91.1096, 0.3063,  
0.3198

# Harmonies

## Analogous

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



68.2878, 0.4962, 0.4160



68.2878, 0.4365, 0.4822



68.2878, 0.3501, 0.5164

# Triad

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



68.2878, 0.4365, 0.4822



68.2878, 0.1527, 0.2638



68.2878, 0.3460, 0.2282

# Complementary

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



68.2878, 0.4365, 0.4822



10.2705, 0.1622, 0.0896

# 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.



68.2878, 0.2499, 0.1940



68.2878, 0.4365, 0.4822



68.2878, 0.1527, 0.2054

# Square

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



68.2878, 0.4365, 0.4822



68.2878, 0.1876, 0.3650



68.2878, 0.1844, 0.1850



68.2878, 0.4464, 0.2821



# Rectangle

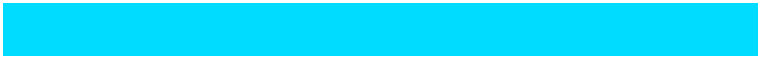
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2878, 0.4365, 0.4822



68.2878, 0.2883, 0.4979



68.2878, 0.1844, 0.1850



68.2878, 0.3115, 0.2143

# Sweetspot

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



68.2911, 0.4365, 0.4822



91.0786, 0.3541, 0.3864



20.6098, 0.5854, 0.3138



19.2661, 0.3599, 0.3942



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.



68.2911, 0.4365, 0.4822



73.4695, 0.4447, 0.4851



72.3947, 0.3609, 0.5417



18.9255, 0.3272, 0.3494



36.3037, 0.4442, 0.4855



3.2908, 0.4406, 0.4884



# Inverse Universe

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



10.2705, 0.1622, 0.0896



8.3112, 0.1522, 0.0680



11.0698, 0.1945, 0.0922



16.2729, 0.2979, 0.3077



4.2104, 0.1527, 0.0698



0.4772, 0.1576, 0.0871



# Previews

## White Background



This preview shows how the Yxy color 68.2878, 0.4365, 0.4822 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

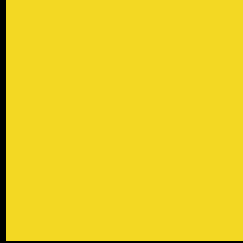
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2878, 0.4365, 0.4822 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 68.2878, 0.4365, 0.4822**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2878, 0.4365, 0.4822.



This preview shows how white text looks on a background with the Yxy color 68.2878, 0.4365, 0.4822.

# 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

68.2878, 0.4365, 0.4822

### Protanopia

68.2878, 0.4365, 0.4822

### Deuteranopia

68.0652, 0.4053, 0.4055



## Tritanopia

68.0430, 0.3432, 0.3128

# Trichromacy



## Original Color

68.2878, 0.4365, 0.4822

## Protanomaly

68.2878, 0.4365, 0.4822

## Deuteranomaly

67.9608, 0.4231, 0.4408

## Tritanomaly

66.8862, 0.3899, 0.3867

# Monochromacy



## Original Color

68.2878, 0.4365, 0.4822

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

61.9702, 0.3685, 0.4053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2878, 0.4365, 0.4822 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(243, 216, 35)` looks like.

```
.text, #text, p{  
    color:rgb(243, 216, 35)  
}
```

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(243, 216, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 216, 35) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2878, 0.4365, 0.4822 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(243, 216, 35) }
```

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

```
.border{ border-color:rgb(243, 216, 35) }
```

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

Here you see how a box with a 4 pixel rgb(243, 216, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 216, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 216, 35);  
box-shadow:4px 4px 4px 4px rgb(243, 216,  
35) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2878, 0.4365, 0.4822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 216, 35) }
```

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

```
.background{ background-color: rgb(243,  
216, 35) }
```

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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