

# Converting Colors

Yxy(63.7827, 0.4608, 0.4723)

Have a look what the booklet for  
Yxy(63.7827, 0.4608, 0.4723)  
contains.

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# Color

**Yxy(63.7827, 0.4608, 0.4723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FECB00
RGB	254, 203, 0
RGB Percent	100%, 80%, 0%
CMY	0.0039, 0.2039, 0.9995
CMYK	0.00, 0.20, 1.00, 0.00
HSL	48°, 100%, 50%
HSV	48°, 100%, 100%
XYZ	62.2297, 63.7827, 9.0346
YIQ	195.1070, 95.5590, -52.3210

# Conversions

## Conversions Part 2

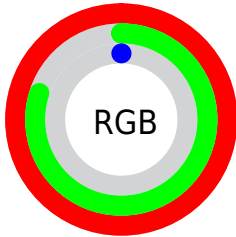
Format	Color
<a href="#">RYB</a>	64, 254, 0
Decimal	16698112
CIELab	83.85, 3.77, 84.93
CIELCh	84, 85.010, 87.460
Yxy	63.7827, 0.4608, 0.4723
Android (android.graphics.Color)	4294888192 (0xFFFE0000)
YUV	195.1070, -96.1878, 51.6492
Hunter-Lab	79.8641, -0.6759, 49.1977

# Details

The Yxy color **63.7827, 0.4608, 0.4723** is a light color, and the websafe version is hex **FFCC00**, and the color name is **philippine yellow**. The color can be described as light saturated yellow. A complement of this color would be **9.5357, 0.1549, 0.0774**, and the grayscale version is **55.1939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4519, 0.4038, 0.4797**, and **32.7014, 0.4655, 0.4686** is the 20% darker color. If you saturate the color by 10%, you get **63.7726, 0.4608, 0.4723**, and if you desaturate by 10%, it is **66.3078, 0.4534, 0.4725**.

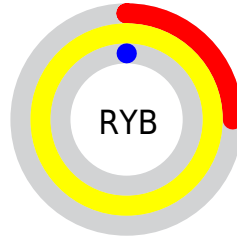
# Distribution



Red (100%)

Green (80%)

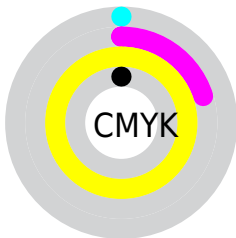
Blue (0%)



Red (25%)

Yellow (100%)

Blue (0%)

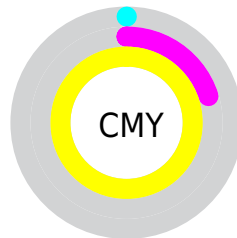


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7827, 0.4608, 0.4723 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 63.7827, 0.4608, 0.4723 by changing the saturation by 10% instead.





 63.7827, 0.4608,  
0.4723

 63.7827, 0.4608,  
0.4723


438.4045, 0.4005,  
0.4157

 46.4747, 0.4707,  
0.4810

 110.2979, 0.4428,  
0.4558

 32.6206, 0.4806,  
0.4894


 140.2739, 0.4349,  
0.4484

 21.8359, 0.4904,  
0.4970


 175.2414, 0.4277,  
0.4416

 13.7364, 0.4982,  
0.5018

 215.5847, 0.4211,  
0.4354

 7.9376, 0.5003,  
0.4997

 261.6883, 0.4152,  
0.4298

 4.0550, 0.5036,  
0.4964

 313.9366, 0.4099,

 1.7044, 0.5089,

0.4246

0.4911

372.7138, 0.4050,  
0.4199

■ 0.4265, 0.5383,  
0.4617

■ 0.0000, 0.0000,  
0.0000

■ 63.7827, 0.4608,  
0.4723

■ 63.7827, 0.4608,  
0.4723

■ 63.7726, 0.4608,  
0.4723

■ 66.3078, 0.4534,  
0.4725

■ 69.0036, 0.4434,  
0.4684

■ 71.9023, 0.4304,  
0.4595

■ 75.0220, 0.4150,  
0.4463

■ 78.3781, 0.3980,  
0.4297

■ 81.9842, 0.3802,  
0.4107

■ 85.8522, 0.3622,  
0.3902

■ 89.9935, 0.3447,  
0.3694

■ 94.4182, 0.3281,  
0.3488

# Harmonies

## Analogous

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



63.7827, 0.5140, 0.3995



63.7827, 0.4608, 0.4723



63.7827, 0.3743, 0.5244

# Triad

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



63.7827, 0.4608, 0.4723



63.7827, 0.1503, 0.2818



63.7827, 0.3199, 0.2120

# Complementary

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



63.7827, 0.4608, 0.4723



9.5357, 0.1549, 0.0774

# 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.



63.7827, 0.2256, 0.1827



63.7827, 0.4608, 0.4723



63.7827, 0.1422, 0.2096

# Square

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



63.7827, 0.4608, 0.4723



63.7827, 0.1958, 0.3983



63.7827, 0.1668, 0.1801



63.7827, 0.4301, 0.2636



# Rectangle

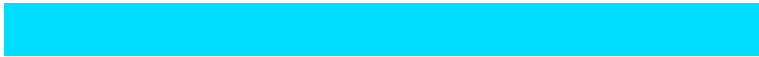
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7827, 0.4608, 0.4723



63.7827, 0.3097, 0.5222



63.7827, 0.1668, 0.1801



63.7827, 0.2850, 0.1995

# Sweetspot

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



63.7858, 0.4608, 0.4723



86.5990, 0.3623, 0.3904



21.3509, 0.6070, 0.3118



18.1766, 0.3699, 0.3991



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.



63.7858, 0.4608, 0.4723



64.3403, 0.4608, 0.4723



80.8376, 0.3692, 0.5451



20.4343, 0.3274, 0.3479



33.8368, 0.4600, 0.4729



3.4444, 0.4545, 0.4773



# Inverse Universe

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



9.5357, 0.1549, 0.0774



9.6071, 0.1548, 0.0773



8.5389, 0.1666, 0.0692



17.9685, 0.2979, 0.3094



5.1856, 0.1554, 0.0795



0.6502, 0.1607, 0.0986



# Previews

## White Background



This preview shows how the Yxy color 63.7827, 0.4608, 0.4723 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 63.7827, 0.4608, 0.4723 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 63.7827, 0.4608, 0.4723**

## Background



This preview shows how black text looks on a background with the Yxy color 63.7827, 0.4608, 0.4723.



This preview shows how white text looks on a background with the Yxy color 63.7827, 0.4608, 0.4723.

# 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

63.7827, 0.4608, 0.4723

### Protanopia

63.9502, 0.4396, 0.4872

### Deuteranopia

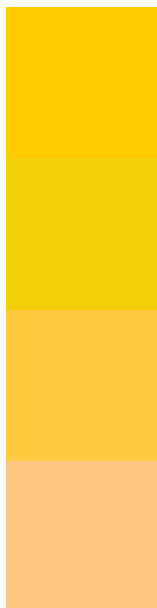
63.9534, 0.4313, 0.4281



## Tritanopia

63.7596, 0.3549, 0.3178

# Trichromacy



## Original Color

63.7827, 0.4608, 0.4723

## Protanomaly

63.6957, 0.4481, 0.4812

## Deuteranomaly

63.8712, 0.4488, 0.4530

## Tritanomaly

62.8042, 0.4133, 0.3979

# Monochromacy



## Original Color

63.7827, 0.4608, 0.4723

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

56.4423, 0.3840, 0.4156

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7827, 0.4608, 0.4723 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(254, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 203, 0)  
}
```

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(254, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 203, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7827, 0.4608, 0.4723 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(254, 203, 0) }
```

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

```
.border{ border-color:rgb(254, 203, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 203, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 203,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.7827, 0.4608, 0.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 203, 0) }
```

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

```
.background{ background-color: rgb(254,  
203, 0) }
```

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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