

# Converting Colors

Yxy(62.0251, 0.4626, 0.4709)

Have a look what the booklet for  
Yxy(62.0251, 0.4626, 0.4709)  
contains.

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**Color**

**Yxy(62.0040, 0.4621, 0.4713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCC800
RGB	252, 200, 0
RGB Percent	99%, 78%, 0%
CMY	0.0118, 0.2156, 1.0000
CMYK	0.00, 0.21, 1.00, 0.01
HSL	48°, 100%, 49%
HSV	48°, 100%, 99%
XYZ	60.7937, 62.0040, 8.7619
YIQ	192.7480, 95.1920, -51.1760

# Conversions

## Conversions Part 2

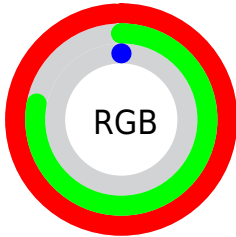
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 252, 0
Decimal	16566272
CIELab	82.92, 4.44, 84.20
CIElCh	83, 84.315, 86.981
Yxy	62.0040, 0.4621, 0.4713
Android (android.graphics.Color)	4294756352 (0xFFFC800)
YUV	192.7480, -95.0248, 51.9640
Hunter-Lab	78.7426, 0.0123, 48.5225

# Details

The Yxy color **62.0040, 0.4621, 0.4713** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **9.4798, 0.1551, 0.0782**, and the grayscale version is **53.7010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4519, 0.4038, 0.4797**, and **31.8146, 0.4660, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **62.0072, 0.4621, 0.4713**, and if you desaturate by 10%, it is **64.5266, 0.4546, 0.4716**.

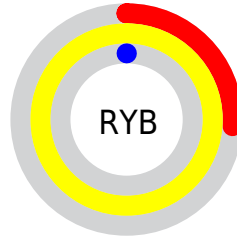
# Distribution



Red (99%)

Green (78%)

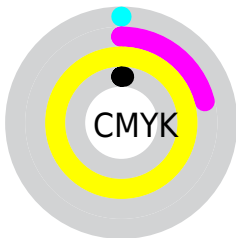
Blue (0%)



Red (26%)

Yellow (99%)

Blue (0%)

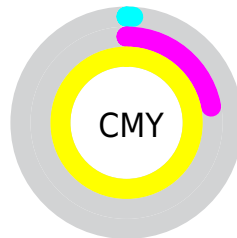


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (22%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0040, 0.4621, 0.4713 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 62.0040, 0.4621, 0.4713 by changing the saturation by 10% instead.




 62.0040, 0.4621,  
0.4713

 62.0040, 0.4621,  
0.4713


431.9457, 0.4009,  
0.4149

 45.0359, 0.4722,  
0.4799


 107.7313, 0.4437,  
0.4549

 31.4857, 0.4824,  
0.4882


 137.2593, 0.4357,  
0.4475


 20.9690, 0.4926,  
0.4957


 171.7428, 0.4283,  
0.4408

 13.1013, 0.5003,  
0.4997

 211.5661, 0.4217,  
0.4346

 7.4984, 0.5029,  
0.4971

 257.1137, 0.4157,  
0.4290

 3.7757, 0.5069,  
0.4931

 308.7699, 0.4103,

 1.5489, 0.5136,

0.4239

0.4864

366.9191, 0.4054,  
0.4192

■ 0.3228, 0.5626,  
0.4374

■ 0.0000, 0.0000,  
0.0000

■ 62.0040, 0.4621,  
0.4713

■ 62.0040, 0.4621,  
0.4713

■ 62.0072, 0.4621,  
0.4713

■ 64.5266, 0.4546,  
0.4716

■ 67.2203, 0.4443,  
0.4676

■ 70.1171, 0.4311,  
0.4588

■ 73.2350, 0.4156,  
0.4457

■ 76.5890, 0.3984,  
0.4292

■ 80.1925, 0.3804,  
0.4102

■ 84.0574, 0.3624,  
0.3899

■ 88.1948, 0.3449,  
0.3692

■ 92.6147, 0.3282,  
0.3487

# Harmonies

## Analogous

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



62.0040, 0.5146, 0.3983



62.0040, 0.4621, 0.4713



62.0040, 0.3758, 0.5242

# Triad

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



62.0040, 0.4621, 0.4713



62.0040, 0.1505, 0.2833



62.0040, 0.3182, 0.2113

# Complementary

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



62.0040, 0.4621, 0.4713



9.4798, 0.1551, 0.0782

# 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.



62.0040, 0.2242, 0.1823



62.0040, 0.4621, 0.4713



62.0040, 0.1419, 0.2102

# Square

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



62.0040, 0.4621, 0.4713



62.0040, 0.1967, 0.4004



62.0040, 0.1660, 0.1802



62.0040, 0.4286, 0.2626



# Rectangle

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



62.0040, 0.4621, 0.4713



62.0040, 0.3112, 0.5231



62.0040, 0.1660, 0.1802



62.0040, 0.2834, 0.1988

# Sweetspot

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



62.0072, 0.4621, 0.4713



86.3586, 0.3624, 0.3900



20.9636, 0.6070, 0.3118



18.1186, 0.3700, 0.3986



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.



62.0072, 0.4621, 0.4713



63.6949, 0.4621, 0.4713



79.3818, 0.3692, 0.5451



19.5471, 0.3274, 0.3477



32.5247, 0.4612, 0.4720



3.1600, 0.4552, 0.4767



# Inverse Universe

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



9.4798, 0.1551, 0.0782



9.7288, 0.1551, 0.0781



8.3815, 0.1666, 0.0691



17.2228, 0.2979, 0.3096



5.1066, 0.1557, 0.0805



0.6173, 0.1614, 0.1010



# Previews

## White Background



This preview shows how the Yxy color 62.0040, 0.4621, 0.4713 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

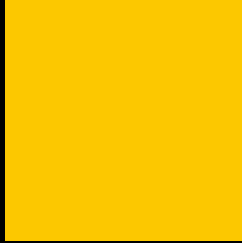
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.0040, 0.4621, 0.4713 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 62.0040, 0.4621, 0.4713**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.0040, 0.4621, 0.4713.



This preview shows how white text looks on a background with the Yxy color 62.0040, 0.4621, 0.4713.

# 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

62.0040, 0.4621, 0.4713

### Protanopia

61.9758, 0.4397, 0.4868

### Deuteranopia

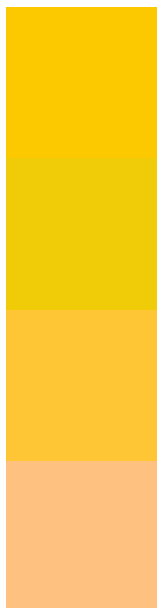
61.8170, 0.4439, 0.4372



## Tritanopia

61.8722, 0.3582, 0.3167

# Trichromacy



## Original Color

62.0040, 0.4621, 0.4713

## Protanomaly

61.7285, 0.4483, 0.4807

## Deuteranomaly

61.7160, 0.4556, 0.4556

## Tritanomaly

60.7693, 0.4162, 0.3962

# Monochromacy



## Original Color

62.0040, 0.4621, 0.4713

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

55.2061, 0.3839, 0.4152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.0040, 0.4621, 0.4713 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(252, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 200, 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(252, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 200, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 62.0040, 0.4621, 0.4713 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(252, 200, 0) }
```

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

```
.border{ border-color:rgb(252, 200, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 200, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 200,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.0040, 0.4621, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 200, 0) }
```

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

```
.background{ background-color: rgb(252,  
200, 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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