

# Converting Colors

$Y_{xy}(57.0758, 0.4704, 0.4647)$

Have a look what the booklet for  
Yxy(57.0758, 0.4704, 0.4647)  
contains.

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**Color**

**Yxy(57.1509, 0.4703, 0.4647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FABE00
RGB	250, 190, 0
RGB Percent	98%, 75%, 0%
CMY	0.0196, 0.2549, 0.9984
CMYK	0.00, 0.24, 1.00, 0.02
HSL	46°, 100%, 49%
HSV	46°, 100%, 98%
XYZ	57.8396, 57.1509, 7.9940
YIQ	186.2800, 96.7500, -46.3700

# Conversions

## Conversions Part 2

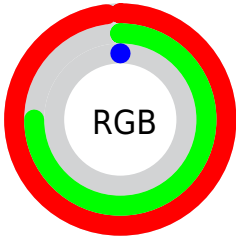
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	79, 250, 0
Decimal	16432640
CIE Lab	80.26, 8.77, 82.23
CIE LCh	80, 82.694, 83.909
Yxy	57.1509, 0.4703, 0.4647
Android (android.graphics.Color)	4294622720 (0xFFFAE00)
YUV	186.2800, -91.8360, 55.8824
Hunter-Lab	75.5982, 4.2721, 46.6492

# Details

The Yxy color **57.1509, 0.4703, 0.4647** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **10.1794, 0.1568, 0.0845**, and the grayscale version is **49.7812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8116, 0.4098, 0.4748**, and **28.5827, 0.4771, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **57.1099, 0.4704, 0.4647**, and if you desaturate by 10%, it is **59.8821, 0.4615, 0.4656**.

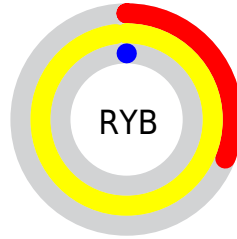
# Distribution



Red (98%)

Green (75%)

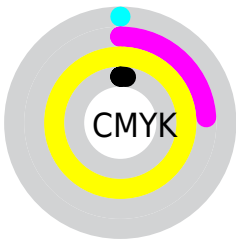
Blue (0%)



Red (31%)

Yellow (98%)

Blue (0%)

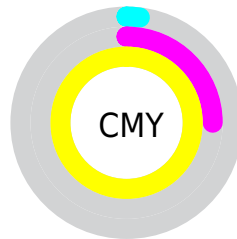


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (25%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1509, 0.4703, 0.4647 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 57.1509, 0.4703, 0.4647 by changing the saturation by 10% instead.




 57.1509, 0.4703,  
0.4647

 57.1509, 0.4703,  
0.4647


414.0145, 0.4041,  
0.4115


 41.1264, 0.4816,  
0.4724


 100.6853, 0.4501,  
0.4495


 28.4179, 0.4931,  
0.4794


 128.9641, 0.4413,  
0.4426


 18.6409, 0.5059,  
0.4860


 162.0963, 0.4334,  
0.4362

 11.4111, 0.5140,  
0.4860

 200.4665, 0.4263,  
0.4303

 6.3441, 0.5196,  
0.4804

 244.4591, 0.4199,  
0.4249

 3.0554, 0.5282,  
0.4718

 294.4583, 0.4141,

 1.1607, 0.5432,

0.4200

350.8486, 0.4088,  
0.4156

0.4568

0.0293, 0.8921,  
0.1079

0.0000, 0.0000,  
0.0000

57.1509, 0.4703,  
0.4647

57.1509, 0.4703,  
0.4647

57.1099, 0.4704,  
0.4647

59.8821, 0.4615,  
0.4656

62.8099, 0.4498,  
0.4621

65.9654, 0.4353,  
0.4538

69.3666, 0.4185,  
0.4411

■ 73.0287, 0.4002,  
0.4251

■ 76.9652, 0.3814,  
0.4067

■ 81.1882, 0.3628,  
0.3872

■ 85.7090, 0.3449,  
0.3672

■ 90.5378, 0.3280,  
0.3476

# Harmonies

## Analogous

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



57.1509, 0.5184, 0.3909



57.1509, 0.4703, 0.4647



57.1509, 0.3857, 0.5225

# Triad

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



57.1509, 0.4703, 0.4647



57.1509, 0.1524, 0.2932



57.1509, 0.3071, 0.2064

# Complementary

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



57.1509, 0.4703, 0.4647



10.1794, 0.1568, 0.0845

# 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.



57.1509, 0.2159, 0.1799



57.1509, 0.4703, 0.4647



57.1509, 0.1403, 0.2147

# Square

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



57.1509, 0.4703, 0.4647



57.1509, 0.2029, 0.4141



57.1509, 0.1611, 0.1807



57.1509, 0.4186, 0.2560



# Rectangle

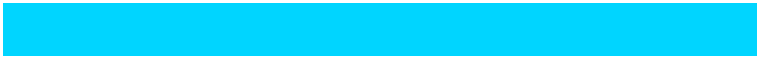
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.1509, 0.4703, 0.4647



57.1509, 0.3210, 0.5277



57.1509, 0.1611, 0.1807



57.1509, 0.2730, 0.1948

# Sweetspot

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



57.1537, 0.4703, 0.4647



84.8379, 0.3632, 0.3876



20.6896, 0.5969, 0.3063



17.7523, 0.3710, 0.3959



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.



57.1537, 0.4703, 0.4647



59.7119, 0.4705, 0.4646



79.0128, 0.3750, 0.5404



19.4422, 0.3275, 0.3469



30.5279, 0.4694, 0.4655



2.9909, 0.4621, 0.4713



# Inverse Universe

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



10.1794, 0.1568, 0.0845



10.5892, 0.1567, 0.0841



7.9616, 0.1632, 0.0673



17.3204, 0.2979, 0.3104



5.5654, 0.1574, 0.0867



0.6726, 0.1635, 0.1084



# Previews

## White Background



This preview shows how the Yxy color 57.1509, 0.4703, 0.4647 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 57.1509, 0.4703, 0.4647 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 57.1509, 0.4703, 0.4647**

## Background



This preview shows how black text looks on a background with the Yxy color 57.1509, 0.4703, 0.4647.



This preview shows how white text looks on a background with the Yxy color 57.1509, 0.4703, 0.4647.

# 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

57.1509, 0.4703, 0.4647

### Protanopia

57.3452, 0.4394, 0.4866

### Deuteranopia

57.1082, 0.4721, 0.4618



## Tritanopia

57.2618, 0.3692, 0.3166

# Trichromacy



## Original Color

57.1509, 0.4703, 0.4647

## Protanomaly

56.9898, 0.4510, 0.4785

## Deuteranomaly

56.9154, 0.4716, 0.4627

## Tritanomaly

56.1548, 0.4258, 0.3923

# Monochromacy



## Original Color

57.1509, 0.4703, 0.4647

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.4279, 0.3869, 0.4116

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1509, 0.4703, 0.4647 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(250, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 190, 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(250, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 190, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1509, 0.4703, 0.4647 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(250, 190, 0) }
```

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

```
.border{ border-color:rgb(250, 190, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 190, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 190,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1509, 0.4703, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 190, 0) }
```

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

```
.background{ background-color: rgb(250,  
190, 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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