

# Converting Colors

XYZ(59.1831, 62.5686, 8.9597)

Have a look what the booklet for  
XYZ(59.1831, 62.5686, 8.9597)  
contains.

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# Color

**XYZ(59.2491, 62.5982,  
8.9599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5CC00
RGB	245, 204, 0
RGB Percent	96%, 80%, 0%
CMY	0.0392, 0.2000, 0.9999
CMYK	0.00, 0.17, 1.00, 0.04
HSL	50°, 100%, 48%
HSV	50°, 100%, 96%
XYZ	59.2491, 62.5982, 8.9599
YIQ	193.0030, 89.9200, -54.7520

# Conversions

## Conversions Part 2

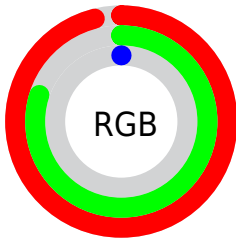
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 245, 0
Decimal	16108544
CIELab	83.23, -0.60, 84.10
CIELCh	83, 84.098, 90.406
Yxy	62.5982, 0.4529, 0.4786
Android (android.graphics.Color)	4294298624 (0xFFFF5CC00)
YUV	193.0030, -95.1505, 45.6014
Hunter-Lab	79.1190, -4.7867, 48.6690

# Details

The XYZ color **59.2491, 62.5982, 8.9599** 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 **17.2752, 8.1798, 87.0540**, and the grayscale version is **51.1985, 53.8648, 58.6588**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **30.6735, 32.0030, 4.5605** is the 20% darker color. If you saturate the color by 10%, you get **59.2494, 62.5992, 8.9601**, and if you desaturate by 10%, it is **60.4081, 64.6441, 10.1868**.

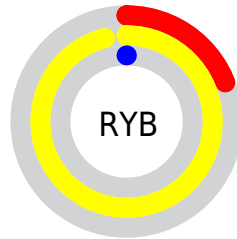
# Distribution



Red (96%)

Green (80%)

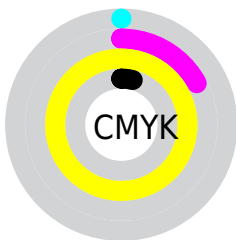
Blue (0%)



Red (19%)

Yellow (96%)

Blue (0%)

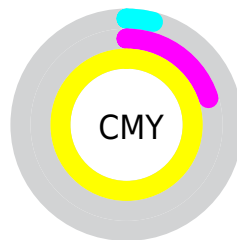


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (20%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2491, 62.5982, 8.9599 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 XYZ color 59.2491, 62.5982, 8.9599 by changing the saturation by 10% instead.




 59.2491, 62.5982,  
8.9599

 59.2491, 62.5982,  
8.9599


411.7036,  
434.1098, 193.2855


 43.0608, 45.5162,  
4.6186


 102.8522,  
108.5896, 24.3963


 30.1276, 31.8642,  
1.9705


 130.9977,  
138.2679, 36.3285

 20.0840, 21.2578,  
0.5370


 163.8596,  
172.9137, 51.6281

 12.5647, 13.3126,  
0.0000

 201.8034,  
212.9114, 70.7136

 7.2044, 7.6442,  
0.0000

 245.1943,  
258.6455, 94.0036

 3.6377, 3.8681,  
0.0000

 294.3978,

 1.4993, 1.6001,

310.5004, 121.9165

0.0000

349.7791,  
368.8603, 154.8710

■ 0.3254, 0.3576,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.2491, 62.5982,  
8.9599

■ 59.2491, 62.5982,  
8.9599

■ 59.2494, 62.5992,  
8.9601

■ 60.4081, 64.6441,  
10.1868

■ 61.8058, 66.8243,  
12.5493

■ 63.5103, 69.1689,  
16.3985

■ 65.5614, 71.6941,  
21.9443

■ 67.9930, 74.4137,  
29.3629

■ 70.8344, 77.3398,  
38.8085

■ 74.1120, 80.4833,  
50.4194

■ 77.8500, 83.8540,  
64.3214

■ 82.0706, 87.4611,  
80.6309

# Harmonies

## Analogous

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



78.5666, 62.5982, 12.7943



59.2491, 62.5982, 8.9599



43.4440, 62.5982, 13.0295

# Triad

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



59.2491, 62.5982, 8.9599



34.0722, 62.5982, 132.7357



95.5296, 62.5982, 130.8191

# Complementary

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



59.2491, 62.5982, 8.9599



17.2752, 8.1798, 87.0540

# 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.



79.0868, 62.5982, 196.7868



59.2491, 62.5982, 8.9599



43.7946, 62.5982, 198.2361

# Square

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



59.2491, 62.5982, 8.9599



30.8512, 62.5982, 68.8743



59.7470, 62.5982, 226.1637



101.9443, 62.5982, 67.4483



# Rectangle

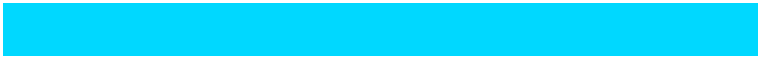
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.2491, 62.5982, 8.9599



36.3444, 62.5982, 22.0728



59.7470, 62.5982, 226.1637



90.8459, 62.5982, 154.3817

# Sweetspot

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



59.2505, 62.6013, 8.9611



81.1376, 88.1172, 55.1151



38.1287, 19.6019, 4.2502



17.0296, 18.5432, 10.5847



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2505, 62.6013, 8.9611



64.8660, 68.5119, 9.8053



48.6784, 73.5662, 11.6348



17.6649, 18.8138, 17.4980



32.0076, 33.9008, 4.8565



2.8744, 3.1021, 0.4473



# Inverse Universe

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



17.2752, 8.1798, 87.0540



18.9019, 8.9239, 95.3340



19.5908, 8.1959, 86.9351



15.8052, 16.3747, 20.8702



9.3728, 4.5393, 46.9202



0.8869, 0.5252, 4.1449



# Previews

## White Background



This preview shows how the XYZ color 59.2491, 62.5982, 8.9599 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 XYZ color 59.2491, 62.5982, 8.9599 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](#).

**XYZ 59.2491, 62.5982, 8.9599**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2491, 62.5982, 8.9599.



This preview shows how white text looks on a background with the XYZ color 59.2491, 62.5982,



# 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

59.2491, 62.5982, 8.9599

### Protanopia

56.5369, 62.6239, 9.3663

### Deuteranopia

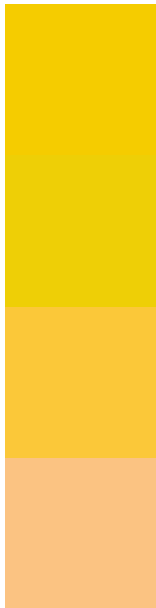
63.2373, 62.3694, 18.1567



## Tritanopia

70.5525, 62.4465, 65.4616

# Trichromacy



## Original Color

59.2491, 62.5982, 8.9599

## Protanomaly

57.6056, 62.8159, 9.2608

## Deuteranomaly

61.1765, 62.1132, 12.6356

## Tritanomaly

63.3280, 61.1511, 29.5847

# Monochromacy



## Original Color

59.2491, 62.5982, 8.9599

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.6928, 55.3596, 26.7526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2491, 62.5982, 8.9599 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(245, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 204, 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(245, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 204, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2491, 62.5982, 8.9599 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(245, 204, 0) }
```



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

```
.border{ border-color:rgb(245, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 204,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2491, 62.5982, 8.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 204, 0) }
```

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

```
.background{ background-color: rgb(245,  
204, 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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