

# Converting Colors

XYZ(58.6404, 64.8002, 9.8689)

Have a look what the booklet for  
XYZ(58.6404, 64.8002, 9.8689)  
contains.

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# **Color**

**XYZ(58.6404, 64.8002,  
9.8689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EED30F
RGB	238, 211, 15
RGB Percent	93%, 83%, 6%
CMY	0.0667, 0.1725, 0.9411
CMYK	0.00, 0.11, 0.94, 0.07
HSL	53°, 88%, 50%
HSV	53°, 94%, 93%
XYZ	58.6404, 64.8002, 9.8689
YIQ	196.7290, 79.0080, -55.2320

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">46, 238, 15</a>
Decimal	<a href="#">15651599</a>
CIELab	<a href="#">84.38, -7.02, 83.23</a>
CIElCh	<a href="#">84, 83.527, 94.822</a>
Yxy	<a href="#">64.8002, 0.4399, 0.4861</a>
Android (android.graphics.Color)	<a href="#">4293841679</a> ( <a href="#">0xFFEED30F</a> )
YUV	<a href="#">196.7290, -89.5924, 36.1947</a>
Hunter-Lab	<a href="#">80.4986, -10.8415, 49.0802</a>

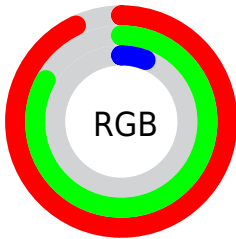
# Details

The XYZ color **58.6404, 64.8002, 9.8689** 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 **16.4582, 7.9315, 81.5518**, and the grayscale version is **53.4002, 56.1812, 61.1813**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **30.1884, 33.4611, 4.8675** is the 20% darker color. If you saturate the color by 10%, you get **58.1063, 63.8704, 9.2657**, and if you desaturate by 10%, it is **59.6410, 66.3585, 11.5688**.

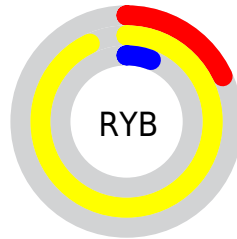
# Distribution



Red (93%)

Green (83%)

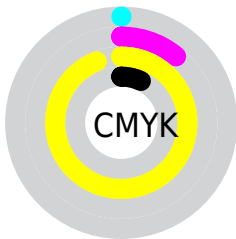
Blue (6%)



Red (18%)

Yellow (93%)

Blue (6%)

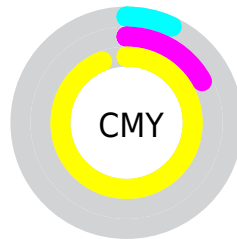


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (7%)



Cyan (7%)

Magenta (17%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6404, 64.8002, 9.8689 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 58.6404, 64.8002, 9.8689 by changing the saturation by 10% instead.





 58.6404, 64.8002,  
9.8689

 58.6404, 64.8002,  
9.8689


409.4835,  
442.0736, 200.1845

 42.5690, 47.2991,  
5.2077


 101.9725,  
111.7626, 26.1526

 29.7401, 33.2722,  
2.3087

 129.9638,  
141.9926, 38.6121


 19.7885, 22.3350,  
0.7361

 162.6591,  
177.2344, 54.5081

 12.3488, 14.1033,  
0.0000

 200.4239,  
217.8723, 74.2591

 7.0556, 8.1925,  
0.0000

 243.6233,  
264.2909, 98.2837

 3.5435, 4.2184,  
0.0000

 292.6228,

 1.4473, 1.7965,

316.8743, 127.0005

0.0000

347.7878,  
376.0071, 160.8279

■ 0.2895, 0.4850,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6404, 64.8002,  
9.8689

■ 58.6404, 64.8002,  
9.8689

■ 58.1063, 63.8704,  
9.2657

■ 59.6410, 66.3585,  
11.5688

■ 60.8995, 68.0382,  
14.5699

■ 62.4576, 69.8584,  
19.0850

■ 64.3485, 71.8325,  
25.2880

■ 66.6007, 73.9722,  
33.3290

■ 69.2397, 76.2875,  
43.3417

■ 72.2884, 78.7880,  
55.4472

■ 75.7682, 81.4821,  
69.7571

■ 79.6987, 84.3778,  
86.3748

# Harmonies

## Analogous

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



78.0458, 64.8002, 12.6068



58.6404, 64.8002, 9.8689



43.3849, 64.8002, 15.5322

# Triad

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



58.6404, 64.8002, 9.8689



36.7039, 64.8002, 146.4436



99.8395, 64.8002, 123.5495

# Complementary

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



58.6404, 64.8002, 9.8689



16.4582, 7.9315, 81.5518

# 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.



84.2871, 64.8002, 192.0315



58.6404, 64.8002, 9.8689



47.6280, 64.8002, 209.2635

# Square

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



58.6404, 64.8002, 9.8689



32.4461, 64.8002, 79.4974



64.6382, 64.8002, 229.1505



104.4096, 64.8002, 62.3122



# Rectangle

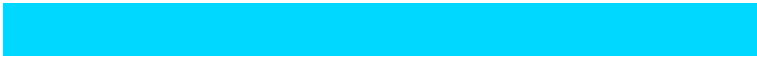
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.6404, 64.8002, 9.8689



36.7938, 64.8002, 26.5505



64.6382, 64.8002, 229.1505



95.5883, 64.8002, 147.2894

# Sweetspot

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



58.6419, 64.8033, 9.8702



82.9142, 90.8327, 58.2903



35.8996, 18.7067, 4.1761



17.4237, 19.1741, 11.2010



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.



58.6419, 64.8033, 9.8702



67.9309, 74.6419, 10.8270



44.4174, 68.2750, 11.2900



16.9501, 18.1133, 16.7526



32.4819, 35.7618, 5.1907



2.7478, 3.0662, 0.4470



# Inverse Universe

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



16.4582, 7.9315, 81.5518



18.5366, 8.1931, 95.2122



20.5098, 9.0444, 81.5530



15.0514, 15.5369, 19.9272



8.9011, 4.0264, 45.4359



0.7900, 0.4339, 3.7963



# Previews

## White Background



This preview shows how the XYZ color 58.6404, 64.8002, 9.8689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

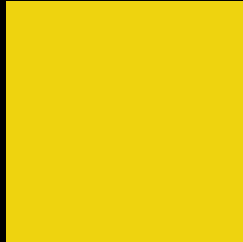
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6404, 64.8002, 9.8689 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 58.6404, 64.8002, 9.8689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6404, 64.8002, 9.8689.



This preview shows how white text looks on a background with the XYZ color 58.6404, 64.8002,



# 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

58.6404, 64.8002, 9.8689

### Protanopia

58.6404, 64.8002, 9.8689

### Deuteranopia

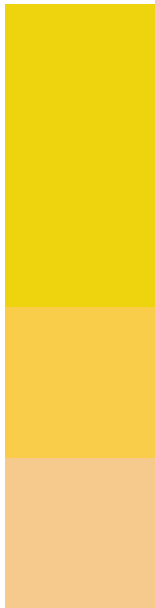
65.0673, 64.5838, 23.2239



## Tritanopia

70.9221, 64.5070, 70.3411

# Trichromacy



## Original Color

58.6404, 64.8002, 9.8689

## Protanomaly

58.6404, 64.8002, 9.8689

## Deuteranomaly

62.1343, 64.2968, 15.6143

## Tritanomaly

63.6263, 63.2596, 33.6678

# Monochromacy



## Original Color

58.6404, 64.8002, 9.8689

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.3686, 57.8768, 29.8839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6404, 64.8002, 9.8689 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(238, 211, 15)` looks like.

```
.text, #text, p{  
    color:rgb(238, 211, 15)  
}
```

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(238, 211, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 211, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6404, 64.8002, 9.8689 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(238, 211, 15) }
```



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

```
.border{ border-color:rgb(238, 211, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 211, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 211, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 211, 15);  
box-shadow:4px 4px 4px 4px rgb(238, 211,  
15) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6404, 64.8002, 9.8689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 211, 15) }
```

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

```
.background{ background-color: rgb(238,  
211, 15) }
```

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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