

# Converting Colors

XYZ(56.0238, 64.0658, 2.7022)

Have a look what the booklet for  
XYZ(56.0238, 64.0658, 2.7022)  
contains.

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# Color

**XYZ(57.1478, 64.4106,  
9.4205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D400
RGB	233, 212, 0
RGB Percent	91%, 83%, 0%
CMY	0.0863, 0.1686, 0.9999
CMYK	0.00, 0.09, 1.00, 0.09
HSL	55°, 100%, 46%
HSV	55°, 100%, 91%
XYZ	57.1478, 64.4106, 9.4205
YIQ	194.1110, 80.5680, -61.4800

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	23, 233, 0
Decimal	15324160
CIE Lab	84.18, -9.80, 84.27
CIE LCh	84, 84.833, 96.631
Yxy	64.4106, 0.4363, 0.4918
Android (android.graphics.Color)	4293514240 (0xFFE9D400)
YUV	194.1110, -95.6967, 34.1057
Hunter-Lab	80.2562, -13.3444, 49.2199

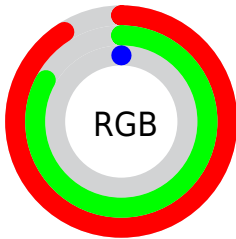
# Details

The XYZ color **57.1478, 64.4106, 9.4205** is a light color, and the websafe version is hex **CCCC00**.

The color can be described as light washed yellow. A complement of this color would be **14.9768, 6.4204, 77.5402**, and the grayscale version is **51.8631, 54.5640, 59.4202**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **29.2401, 33.2244, 4.8718** is the 20% darker color. If you saturate the color by 10%, you get **57.1485, 64.4124, 9.4208**, and if you desaturate by 10%, it is **57.8354, 65.5334, 10.4289**.

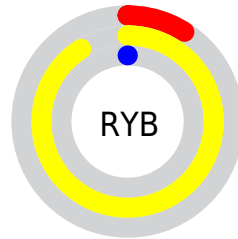
# Distribution



Red (91%)

Green (83%)

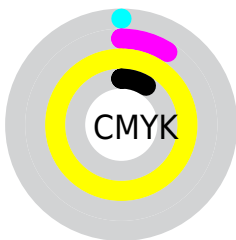
Blue (0%)



Red (9%)

Yellow (91%)

Blue (0%)

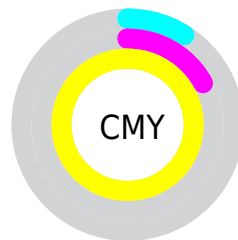


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (17%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1478, 64.4106, 9.4205 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 57.1478, 64.4106, 9.4205 by changing the saturation by 10% instead.



57.1478, 64.4106,  
9.4205

57.1478, 64.4106,  
9.4205

404.0081,  
440.6709, 196.8167

41.3645, 46.9833,  
4.9159

99.8109, 111.2021,  
25.2902

28.7929, 33.0225,  
2.1401

127.4215,  
141.3350, 37.4924

19.0677, 22.1437,  
0.6395

159.7052,  
176.4720, 53.0976

11.8235, 13.9625,  
0.0000

197.0274,  
216.9974, 72.5242

6.6950, 8.0946,  
0.0000

239.7534,  
263.2956, 96.1909

3.3167, 4.1555,  
0.0000

288.2486,

1.3234, 1.7609,

315.7509, 124.5162

0.0000

342.8784,  
374.7479, 157.9186

■ 0.2006, 0.4627,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1478, 64.4106,  
9.4205

■ 57.1478, 64.4106,  
9.4205

■ 57.1485, 64.4124,  
9.4208

■ 57.8354, 65.5334,  
10.4289

■ 58.7182, 66.7428,  
12.4380

■ 59.8578, 68.0659,  
15.7655

■ 61.2894, 69.5169,  
20.5966

■ 63.0426, 71.1075,  
27.0867

■ 65.1431, 72.8482,  
35.3719

■ 67.6143, 74.7483,  
45.5743

■ 70.4772, 76.8164,  
57.8053

■ 73.7515, 79.0602,  
72.1676

# Harmonies

## Analogous

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



76.6768, 64.4106, 11.6137



57.1478, 64.4106, 9.4205



42.1168, 64.4106, 15.5963

# Triad

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



57.1478, 64.4106, 9.4205



36.5898, 64.4106, 151.6211



100.6748, 64.4106, 119.6251

# Complementary

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



57.1478, 64.4106, 9.4205



14.9768, 6.4204, 77.5402

# 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.



85.3709, 64.4106, 190.0389



57.1478, 64.4106, 9.4205



47.9945, 64.4106, 214.1868

# Square

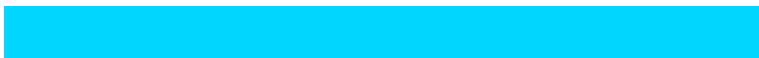
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.1478, 64.4106, 9.4205



31.9189, 64.4106, 82.7538



65.4819, 64.4106, 230.9973



104.5101, 64.4106, 58.8640



# Rectangle

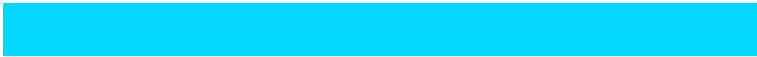
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.1478, 64.4106, 9.4205



35.7604, 64.4106, 27.2660



65.4819, 64.4106, 230.9973



96.5684, 64.4106, 143.7080

# Sweetspot

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



57.1493, 64.4137, 9.4218



82.9264, 91.6948, 55.7114



33.7623, 17.3873, 2.4044



17.4631, 19.4100, 10.7292



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.



57.1493, 64.4137, 9.4218



70.1028, 78.9856, 11.5509



39.9222, 63.8365, 10.2184



16.2291, 17.3813, 16.0183



32.4753, 36.6448, 5.3615



2.5841, 2.9455, 0.4323



# Inverse Universe

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



14.9768, 6.4204, 77.5402



18.3560, 7.8319, 95.1520



19.2443, 8.2222, 77.6630



14.3403, 14.7671, 19.0168



8.5356, 3.7182, 44.0108

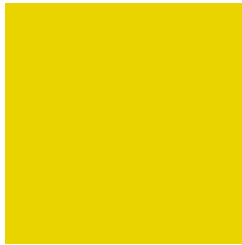


0.7077, 0.3669, 3.4684



# Previews

## White Background



This preview shows how the XYZ color 57.1478, 64.4106, 9.4205 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 57.1478, 64.4106, 9.4205 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 57.1478, 64.4106, 9.4205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.1478, 64.4106, 9.4205.



This preview shows how white text looks on a background with the XYZ color 57.1478, 64.4106,



# 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

57.1478, 64.4106, 9.4205

### Deuteranopia

64.6764, 64.0532, 22.3193

### Tritanopia

69.8560, 64.2788, 71.0126

# Trichromacy



## Original Color

57.1478, 64.4106, 9.4205



## Deuteranomaly

61.2022, 63.8420, 14.4072



## Tritanomaly

61.7693, 62.6911, 31.7667

# Monochromacy



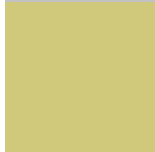
## Original Color

57.1478, 64.4106, 9.4205



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

50.4742, 56.6132, 27.0061

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1478, 64.4106, 9.4205 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(233, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 212, 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(233, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 212, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1478, 64.4106, 9.4205 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(233, 212, 0) }
```

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

```
.border{ border-color:rgb(233, 212, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 212,  
0) }
```



# Background

The CSS property to change the background color of an element to XYZ 57.1478, 64.4106, 9.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 212, 0) }
```

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

```
.background{ background-color: rgb(233,  
212, 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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