

# Converting Colors

XYZ(57.8690, 65.2955, 10.8023)

Have a look what the booklet for  
XYZ(57.8690, 65.2955, 10.8023)  
contains.

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# **Color**

**XYZ(57.6329, 65.0059,  
10.7381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D51E
RGB	233, 213, 30
RGB Percent	91%, 84%, 12%
CMY	0.0863, 0.1647, 0.8823
CMYK	0.00, 0.09, 0.87, 0.09
HSL	54°, 82%, 52%
HSV	54°, 87%, 91%
XYZ	57.6329, 65.0059, 10.7381
YIQ	198.1180, 70.6630, -52.6730

# Conversions

## Conversions Part 2

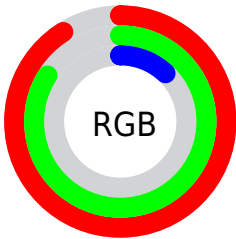
Format	Color
R <sub>Y</sub> B	52, 233, 30
Decimal	15324446
CIE Lab	84.49, -9.93, 80.85
CIE LCh	84, 81.458, 97.003
Yxy	65.0059, 0.4321, 0.4874
Android (android.graphics.Color)	4293514526 (0xFFE9D51E)
YUV	198.1180, -82.8822, 30.5915
Hunter-Lab	80.6262, -13.5013, 48.5419

# Details

The XYZ color **57.6329, 65.0059, 10.7381** 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 **16.3844, 8.4409, 77.8560**, and the grayscale version is **54.2089, 57.0319, 62.1078**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **29.6317, 33.6805, 4.9392** is the 20% darker color. If you saturate the color by 10%, you get **56.8634, 63.7835, 9.5072**, and if you desaturate by 10%, it is **58.6310, 66.3379, 13.1202**.

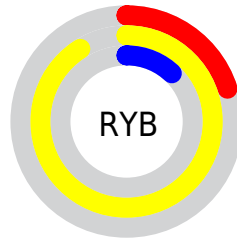
# Distribution



Red (91%)

Green (84%)

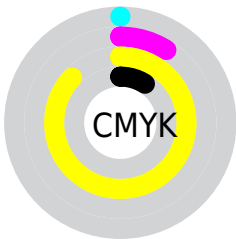
Blue (12%)



Red (20%)

Yellow (91%)

Blue (12%)

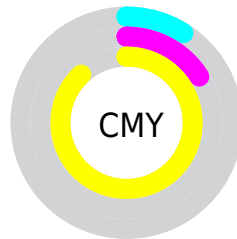


Cyan (0%)

Magenta (9%)

Yellow (87%)

Black (9%)



Cyan (9%)

Magenta (16%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6329, 65.0059, 10.7381 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 57.6329, 65.0059, 10.7381 by changing the saturation by 10% instead.



■ 57.6329, 65.0059,  
10.7381

■ 57.6329, 65.0059,  
10.7381

405.7926,  
442.8132, 206.5344

■ 41.7557, 47.4659,  
5.7791

■ 100.5141,  
112.0583, 27.8041

■ 29.1003, 33.4041,  
2.6446

■ 128.2489,  
142.3395, 40.7480

■ 19.3014, 22.4362,  
0.9153

■ 160.6668,  
177.6366, 57.1908

■ 11.9936, 14.1778,  
0.0000

■ 198.1334,  
218.3338, 77.5508

■ 6.8115, 8.2444,  
0.0000

■ 241.0139,  
264.8157, 102.2466

■ 3.3897, 4.2517,  
0.0000

■ 289.6737,

■ 1.3631, 1.8154,

317.4667, 131.6968

0.0000

344.4781,  
376.6710, 166.3199

■ 0.2297, 0.4967,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6329, 65.0059,  
10.7381

■ 57.6329, 65.0059,  
10.7381

■ 56.8634, 63.7835,  
9.5072

■ 58.6310, 66.3379,  
13.1202

■ 56.6631, 63.4416,  
9.2590

■ 59.8967, 67.7874,  
16.8768

■ 61.4646, 69.3711,  
22.1845

■ 63.3631, 71.1002,  
29.1924

■ 65.6173, 72.9849,  
38.0322

■ 68.2496, 75.0342,  
48.8225

■ 71.2809, 77.2564,  
61.6721

■ 74.7302, 79.6593,  
76.6817

■ 78.6155, 82.2500,  
93.9454

# Harmonies

## Analogous

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



76.4306, 65.0059, 12.9159



57.6329, 65.0059, 10.7381



43.0909, 65.0059, 17.2407

# Triad

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



57.6329, 65.0059, 10.7381



37.9188, 65.0059, 149.4732



99.7512, 65.0059, 117.3883

# Complementary

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



57.6329, 65.0059, 10.7381



16.3844, 8.4409, 77.8560

# 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.



85.2309, 65.0059, 184.1934



57.6329, 65.0059, 10.7381



49.1431, 65.0059, 208.1942

# Square

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



57.6329, 65.0059, 10.7381



33.2431, 65.0059, 83.6629



66.1343, 65.0059, 223.3060



103.2462, 65.0059, 59.2932



# Rectangle

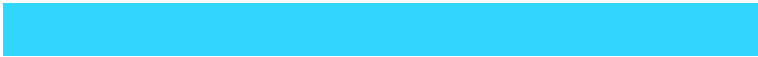
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.6329, 65.0059, 10.7381



36.9185, 65.0059, 29.1434



66.1343, 65.0059, 223.3060



95.8769, 65.0059, 140.2608

# Sweetspot

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



57.6344, 65.0090, 10.7394



84.1048, 92.3452, 61.3652



34.6510, 18.4856, 4.7946



17.7460, 19.5717, 12.0695



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.



57.6344, 65.0090, 10.7394



69.5046, 77.7892, 11.3515



42.2855, 65.0277, 11.5520



16.2178, 17.3586, 16.0145



32.2037, 36.1016, 5.2710



2.5655, 2.9084, 0.4262



# Inverse Universe

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



16.3844, 8.4409, 77.8560



18.4001, 7.9202, 95.1667



21.7540, 10.2052, 77.9135



14.3505, 14.7875, 19.0202



8.5592, 3.7654, 44.0186



0.7126, 0.3766, 3.4700



# Previews

## White Background



This preview shows how the XYZ color 57.6329, 65.0059, 10.7381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

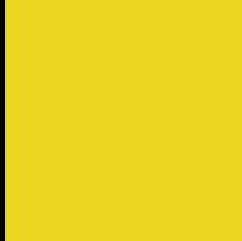
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6329, 65.0059, 10.7381 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 57.6329, 65.0059, 10.7381

## Background



This preview shows how black text looks on a background with the XYZ color 57.6329, 65.0059, 10.7381.



This preview shows how white text looks on a background with the XYZ color 57.6329, 65.0059,



# 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

57.6329, 65.0059, 10.7381

### Protanopia

58.7759, 64.8544, 10.5827

### Deuteranopia

65.1750, 64.6268, 23.7910



## Tritanopia

70.3377, 64.8360, 72.4257

# Trichromacy



## Original Color

57.6329, 65.0059, 10.7381

## Protanomaly

58.3573, 65.0085, 10.6345

## Deuteranomaly

61.9143, 64.5109, 16.9732

## Tritanomaly

62.8980, 63.5192, 36.5491

# Monochromacy



## Original Color

57.6329, 65.0059, 10.7381

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.7353, 58.3669, 32.1534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6329, 65.0059, 10.7381 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, 213, 30)` looks like.

```
.text, #text, p{  
    color:rgb(233, 213, 30)  
}
```

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, 213, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 213, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6329, 65.0059, 10.7381 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, 213, 30) }
```



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

```
.border{ border-color:rgb(233, 213, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 213, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 213, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 213, 30);  
box-shadow:4px 4px 4px 4px rgb(233, 213,  
30) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6329, 65.0059, 10.7381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 213, 30) }
```

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

```
.background{ background-color: rgb(233,  
213, 30) }
```

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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