

# Converting Colors

XYZ(57.3008, 61.9236, 10.0310)

Have a look what the booklet for  
XYZ(57.3008, 61.9236, 10.0310)  
contains.

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# **Color**

**XYZ(57.3008, 61.9236,  
10.0310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EECD1C
RGB	238, 205, 28
RGB Percent	93%, 80%, 11%
CMY	0.0667, 0.1961, 0.8901
CMYK	0.00, 0.14, 0.88, 0.07
HSL	51°, 86%, 52%
HSV	51°, 88%, 93%
XYZ	57.3008, 61.9236, 10.0310
YIQ	194.6890, 76.4850, -48.0510

# Conversions

## Conversions Part 2

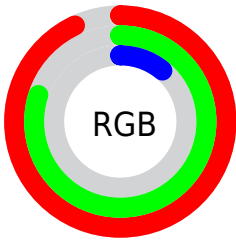
Format	Color
R <sub>Y</sub> B	67, 238, 28
Decimal	15650076
CIE Lab	82.87, -3.79, 80.14
CIE LCh	83, 80.231, 92.707
Yxy	61.9236, 0.4433, 0.4791
Android (android.graphics.Color)	4293840156 (0xFFEECD1C)
YUV	194.6890, -82.1777, 37.9837
Hunter-Lab	78.6915, -7.7319, 47.5262

# Details

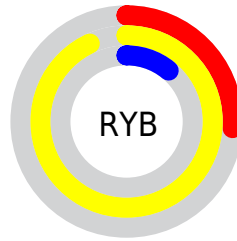
The XYZ color **57.3008, 61.9236, 10.0310** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **17.5807, 9.7580, 81.8451**, and the grayscale version is **52.1304, 54.8453, 59.7265**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **29.1981, 31.4803, 4.5374** is the 20% darker color. If you saturate the color by 10%, you get **56.2316, 60.0841, 8.7546**, and if you desaturate by 10%, it is **58.6133, 63.8995, 12.4712**.

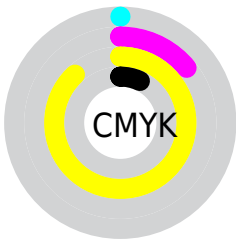
# Distribution



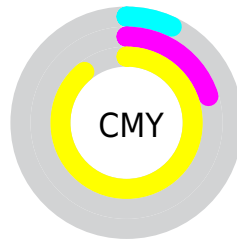
- Red (93%)
- Green (80%)
- Blue (11%)



- Red (26%)
- Yellow (93%)
- Blue (11%)



- Cyan (0%)
- Magenta (14%)
- Yellow (88%)
- Black (7%)




- Cyan (7%)
- Magenta (20%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3008, 61.9236, 10.0310 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 57.3008, 61.9236, 10.0310 by changing the saturation by 10% instead.





 57.3008, 61.9236,  
10.0310

 57.3008, 61.9236,  
10.0310


404.5715,  
431.6524, 201.3860

 41.4879, 44.9710,  
5.3136


 100.0328,  
107.6151, 26.4625

 28.8898, 31.4346,  
2.3705


 127.6826,  
137.1228, 39.0138


 19.1414, 20.9300,  
0.7703


 160.0087,  
171.5842, 55.0134

 11.8771, 13.0728,  
0.0000

 197.3764,  
211.3839, 74.8799

 6.7316, 7.4787,  
0.0000

 240.1513,  
256.9061, 99.0319

 3.3397, 3.7632,  
0.0000

 288.6985,

 1.3358, 1.5420,

308.5354, 127.8879

0.0000

343.3834,  
366.6560, 161.8664

■ 0.2098, 0.3180,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3008, 61.9236,  
10.0310

■ 57.3008, 61.9236,  
10.0310

■ 56.2316, 60.0841,  
8.7546

■ 58.6133, 63.8995,  
12.4712

■ 56.0543, 59.7665,  
8.5817

■ 60.2156, 66.0233,  
16.3370

■ 62.1449, 68.3126,  
21.8181

■ 64.4318, 70.7798,  
29.0743

67.1029, 73.4359,  
38.2463

70.1826, 76.2907,  
49.4604

73.6929, 79.3534,  
62.8323

77.6542, 82.6322,  
78.4689

82.0857, 86.1351,  
96.4700

# Harmonies

## Analogous

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



75.4527, 61.9236, 13.2748



57.3008, 61.9236, 10.0310



42.6604, 61.9236, 14.8550

# Triad

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



57.3008, 61.9236, 10.0310



35.0829, 61.9236, 133.0541



93.6142, 61.9236, 121.1764

# Complementary

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



57.3008, 61.9236, 10.0310



17.5807, 9.7580, 81.8451

# 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.



78.7067, 61.9236, 183.4410



57.3008, 61.9236, 10.0310



44.8920, 61.9236, 192.3420

# Square

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



57.3008, 61.9236, 10.0310



31.5054, 61.9236, 72.0202



60.4402, 61.9236, 214.2280



98.6955, 61.9236, 63.0281



# Rectangle

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



57.3008, 61.9236, 10.0310



36.1749, 61.9236, 24.6284



60.4402, 61.9236, 214.2280



89.4592, 61.9236, 143.1172

# Sweetspot

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



57.3022, 61.9266, 10.0322



82.9192, 89.9739, 60.9700



36.5726, 19.3671, 6.5147



17.4601, 19.0000, 11.9742



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.



57.3022, 61.9266, 10.0322



65.5239, 69.8278, 10.0246



46.9332, 69.5577, 12.0517



16.8991, 18.0113, 16.7356



31.3518, 33.5016, 4.8140



2.6645, 2.8996, 0.4192



# Inverse Universe

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



17.5807, 9.7580, 81.8451



18.8110, 8.7420, 95.3037



20.8858, 9.6012, 81.6407



15.0978, 15.6297, 19.9427



9.0455, 4.3152, 45.4840



0.8119, 0.4778, 3.8037



# Previews

## White Background



This preview shows how the XYZ color 57.3008, 61.9236, 10.0310 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 57.3008, 61.9236, 10.0310 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 57.3008, 61.9236, 10.0310**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3008, 61.9236, 10.0310.



This preview shows how white text looks on a background with the XYZ color 57.3008, 61.9236,



# 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

57.3008, 61.9236, 10.0310

### Protanopia

56.1389, 62.0380, 10.1781

### Deuteranopia

62.7292, 61.8017, 16.6054



## Tritanopia

68.7172, 61.8091, 66.0662

# Trichromacy



## Original Color

57.3008, 61.9236, 10.0310

## Protanomaly

56.5540, 61.8935, 10.1283

## Deuteranomaly

60.5907, 61.7961, 13.2918

## Tritanomaly

62.2038, 60.8154, 33.6594

# Monochromacy



## Original Color

57.3008, 61.9236, 10.0310

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.5905, 56.4170, 30.7247

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3008, 61.9236, 10.0310 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, 205, 28)` looks like.

```
.text, #text, p{  
    color:rgb(238, 205, 28)  
}
```

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, 205, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 205, 28) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3008, 61.9236, 10.0310 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, 205, 28) }
```



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

```
.border{ border-color:rgb(238, 205, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 205, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 205, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 205, 28);  
box-shadow:4px 4px 4px 4px rgb(238, 205,  
28) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3008, 61.9236, 10.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 205, 28) }
```

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

```
.background{ background-color: rgb(238,  
205, 28) }
```

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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