

Converting Colors

XYZ(60.1413, 68.3627, 10.0255)

Have a look what the booklet for
XYZ(60.1413, 68.3627, 10.0255)
contains.

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Color

**XYZ(59.9965, 68.1473,
9.9916)**

Conversions

Conversions Part 1

Format	Color
Hex	EDDA00
RGB	237, 218, 0
RGB Percent	93%, 85%, 0%
CMY	0.0706, 0.1451, 0.9999
CMYK	0.00, 0.08, 1.00, 0.07
HSL	55°, 100%, 46%
HSV	55°, 100%, 93%
XYZ	59.9965, 68.1473, 9.9916
YIQ	198.8290, 81.3020, -63.7700

Conversions

Conversions Part 2

Format	Color
R _Y B	21, 237, 0
Decimal	15587840
CIE Lab	86.08, -11.09, 85.79
CIE LCh	86, 86.504, 97.366
Yxy	68.1473, 0.4343, 0.4933
Android (android.graphics.Color)	4293777920 (0xFFEDDA00)
YUV	198.8290, -98.0227, 33.4760
Hunter-Lab	82.5514, -14.7351, 50.6098

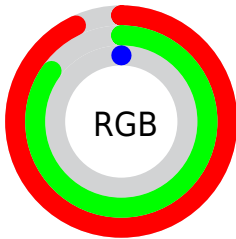
Details

The XYZ color **59.9965, 68.1473, 9.9916** 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 **15.5196, 6.5811, 80.5726**, and the grayscale version is **54.7309, 57.5812, 62.7059**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **31.1800, 35.7810, 5.2631** is the 20% darker color. If you saturate the color by 10%, you get **59.9973, 68.1493, 9.9919**, and if you desaturate by 10%, it is **60.6554, 69.2062, 11.0107**.

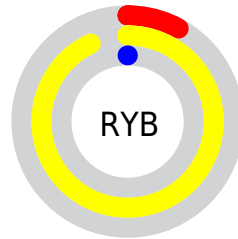
Distribution



Red (93%)

Green (85%)

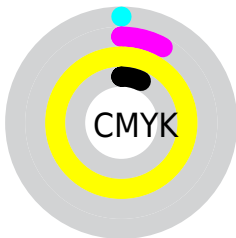
Blue (0%)



Red (8%)

Yellow (93%)

Blue (0%)

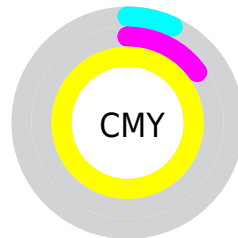


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9965, 68.1473, 9.9916 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 59.9965, 68.1473, 9.9916 by changing the saturation by 10% instead.


 59.9965, 68.1473,
9.9916


 59.9965, 68.1473,
9.9916


414.4198,
454.0177, 201.0947

 43.6653, 50.0176,
5.2879


 103.9310,
116.5628, 26.3873

 30.6042, 35.4274,
2.3555


 132.2649,
147.6175, 38.9163


 20.4480, 23.9923,
0.7620


 165.3305,
183.7491, 54.8908

 12.8313, 15.3279,
0.0000

 203.4930,
225.3423, 74.7293

 7.3887, 9.0498,
0.0000

 247.1178,
272.7814, 98.8505

 3.7548, 4.7737,
0.0000

 296.5703,

 1.5644, 2.1151,

326.4507, 127.6727

0.0000

352.2159,
386.7347, 161.6146

■ 0.3690, 0.6731,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9965, 68.1473,
9.9916

■ 59.9965, 68.1473,
9.9916

■ 59.9973, 68.1493,
9.9919

■ 60.6554, 69.2062,
11.0107

■ 61.5162, 70.3523,
13.0720

■ 62.6427, 71.6138,
16.5041

■ 64.0715, 73.0054,
21.5002

■ 65.8335, 74.5393,
28.2224

■ 67.9556, 76.2265,
36.8128

■ 70.4620, 78.0766,
47.3985

■ 73.3748, 80.0985,
60.0958

■ 76.7144, 82.3004,
75.0118

Harmonies

Analogous

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



80.6143, 68.1473, 12.1013



59.9965, 68.1473, 9.9916



44.2431, 68.1473, 16.7900

Triad

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



59.9965, 68.1473, 9.9916



38.9067, 68.1473, 162.3781



106.8174, 68.1473, 124.7723

Complementary

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



59.9965, 68.1473, 9.9916



15.5196, 6.5811, 80.5726

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.



90.8337, 68.1473, 199.5466



59.9965, 68.1473, 9.9916



51.1544, 68.1473, 227.9209

Square

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



59.9965, 68.1473, 9.9916



33.7918, 68.1473, 89.1305



69.7943, 68.1473, 244.1911



110.5264, 68.1473, 61.0390

Rectangle

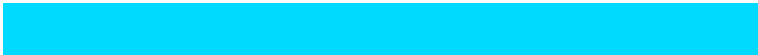
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.9965, 68.1473, 9.9916



37.6329, 68.1473, 29.4565



69.7943, 68.1473, 244.1911



102.5639, 68.1473, 150.2216

Sweetspot

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



59.9980, 68.1505, 9.9930



83.1613, 92.1646, 55.7897



35.0494, 18.0548, 2.2890



17.5201, 19.5241, 10.7482



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.



59.9980, 68.1505, 9.9930



70.8230, 80.4261, 11.7910



40.8087, 65.9937, 10.5880



16.2427, 17.4083, 16.0228



32.8022, 37.2986, 5.4705



2.6064, 2.9901, 0.4398

Inverse Universe

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



15.5196, 6.5811, 80.5726



18.3080, 7.7359, 95.1360



20.4064, 8.7545, 80.7345



14.3282, 14.7428, 19.0127



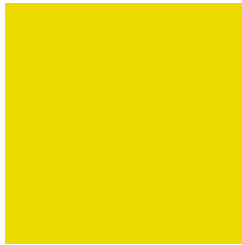
8.5096, 3.6662, 44.0021



0.7019, 0.3553, 3.4665

Previews

White Background



This preview shows how the XYZ color 59.9965, 68.1473, 9.9916 looks on a white background.

Color Contrast Check

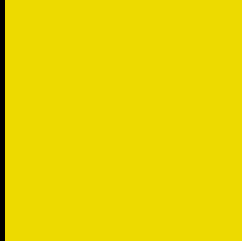
Large Text (above 18pt) WCAG AA × Fail

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 59.9965, 68.1473, 9.9916 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 59.9965, 68.1473, 9.9916

Background



This preview shows how black text looks on a background with the XYZ color 59.9965, 68.1473, 9.9916.

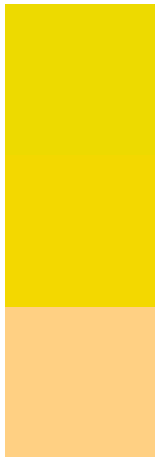


This preview shows how white text looks on a background with the XYZ color 59.9965, 68.1473,

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

59.9965, 68.1473, 9.9916

Protanopia

61.5180, 68.1664, 9.9151

Deuteranopia

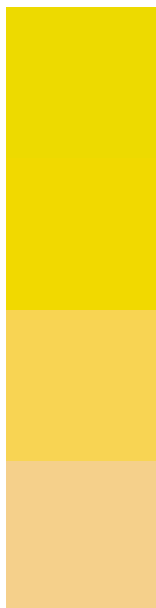
67.8926, 68.0104, 31.0217



Tritanopia

73.4352, 68.0978, 75.6034

Trichromacy



Original Color

59.9965, 68.1473, 9.9916

Protanomaly

61.0885, 68.3265, 9.9686

Deuteranomaly

63.8162, 67.6680, 17.8814

Tritanomaly

64.8723, 66.3883, 33.8212

Monochromacy



Original Color

59.9965, 68.1473, 9.9916

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.3426, 59.8211, 28.8138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9965, 68.1473, 9.9916 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(237, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 218, 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(237, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 218, 0) }
```

Border

The CSS property to change the border of an element to XYZ 59.9965, 68.1473, 9.9916 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(237, 218, 0) }
```


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

```
.border{ border-color:rgb(237, 218, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 218, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 218,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9965, 68.1473, 9.9916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 218, 0) }
```

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

```
.background{ background-color: rgb(237,  
218, 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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