

Converting Colors

XYZ(58.1992, 70.7598, 10.5906)

Have a look what the booklet for
XYZ(58.1992, 70.7598, 10.5906)
contains.

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Color

**XYZ(58.2096, 70.7855,
10.5950)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E300
RGB	224, 227, 0
RGB Percent	88%, 89%, 0%
CMY	0.1216, 0.1098, 0.9999
CMYK	0.01, 0.00, 1.00, 0.11
HSL	61°, 100%, 45%
HSV	61°, 100%, 89%
XYZ	58.2096, 70.7855, 10.5950
YIQ	200.2250, 71.0790, -71.2330

Conversions

Conversions Part 2

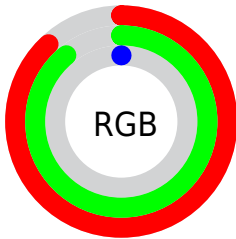
Format	Color
RYB	0, 227, 3
Decimal	14738176
CIELab	87.38, -21.00, 86.25
CIELCh	87, 88.771, 103.682
Yxy	70.7855, 0.4170, 0.5071
Android (android.graphics.Color)	4292928256 (0xFFE0E300)
YUV	200.2250, -98.7109, 20.8507
Hunter-Lab	84.1341, -23.7365, 51.4275

Details

The XYZ color **58.2096, 70.7855, 10.5950** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.9044, 5.5667, 73.0192**, and the grayscale version is **55.6015, 58.4971, 63.7034**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **30.0624, 37.3976, 5.6340** is the 20% darker color. If you saturate the color by 10%, you get **58.2109, 70.7887, 10.5955**, and if you desaturate by 10%, it is **58.4563, 70.8976, 11.4002**.

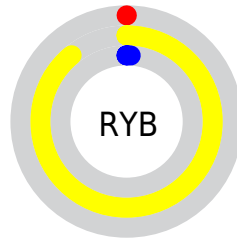
Distribution



Red (88%)

Green (89%)

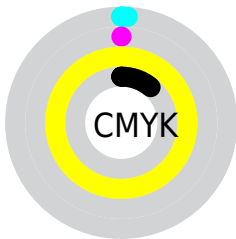
Blue (0%)



Red (0%)

Yellow (89%)

Blue (1%)

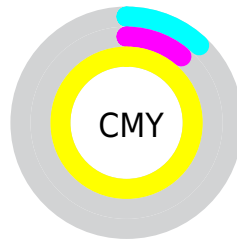


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (12%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2096, 70.7855, 10.5950 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 58.2096, 70.7855, 10.5950 by changing the saturation by 10% instead.


 58.2096, 70.7855,
10.5950


 58.2096, 70.7855,
10.5950


407.9078,
463.3032, 205.5042

 42.2211, 52.1672,
5.6845


 101.3492,
120.3283, 27.5339

 29.4663, 37.1383,
2.5885


 129.2311,
152.0215, 40.3993


 19.5799, 25.3146,
0.8865

 161.8081,
188.8418, 56.7535

 12.1965, 16.3116,
0.0000

 199.4456,
231.1735, 77.0150

 6.9508, 9.7449,
0.0000

 242.5089,
279.4012, 101.6022

 3.4774, 5.2302,
0.0000

 291.3635,

 1.4110, 2.3829,

333.9091, 130.9338

0.0000

346.3747,
395.0816, 165.4283

■ 0.2640, 0.8171,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2096, 70.7855,
10.5950

■ 58.2096, 70.7855,
10.5950

■ 58.2109, 70.7887,
10.5955

■ 58.4563, 70.8976,
11.4002

■ 58.8798, 71.0778,
13.1426

■ 59.5389, 71.3523,
16.1245

■ 60.4664, 71.7341,
20.5191

■ 61.6900, 72.2344,
26.4722

■ 63.2339, 72.8629,
34.1113

■ 65.1200, 73.6282,
43.5510

■ 67.3680, 74.5383,
54.8957

■ 69.9962, 75.6005,
68.2419

Harmonies

Analogous

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



79.2208, 70.7855, 10.9643



58.2096, 70.7855, 10.5950



43.1544, 70.7855, 20.1883

Triad

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



58.2096, 70.7855, 10.5950



42.1892, 70.7855, 187.1010



113.7170, 70.7855, 114.1662

Complementary

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



58.2096, 70.7855, 10.5950



13.9044, 5.5667, 73.0192

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.



99.0465, 70.7855, 193.9469



58.2096, 70.7855, 10.5950



56.6028, 70.7855, 248.8311

Square

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



58.2096, 70.7855, 10.5950



35.2856, 70.7855, 107.6471



77.2457, 70.7855, 251.8373



114.3975, 70.7855, 52.9174

Rectangle

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



58.2096, 70.7855, 10.5950



37.2908, 70.7855, 36.4626



77.2457, 70.7855, 251.8373



110.1397, 70.7855, 140.2298

Sweetspot

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



58.2112, 70.7888, 10.5964



84.7143, 95.8228, 56.4139



31.6810, 16.3326, 1.4836



17.8982, 20.4151, 10.9002



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.



58.2112, 70.7888, 10.5964



75.7681, 92.1449, 13.7923



34.3479, 58.4868, 9.4797



15.5817, 16.8070, 15.3273



33.9552, 41.2860, 6.1794



2.5153, 3.0540, 0.4569

Inverse Universe

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



13.9044, 5.5667, 73.0192



18.0923, 7.2418, 95.0520



20.7433, 9.0923, 73.3392



13.6004, 13.8962, 18.1098



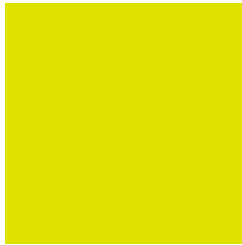
8.1158, 3.2497, 42.5827



0.6060, 0.2434, 3.1470

Previews

White Background



This preview shows how the XYZ color 58.2096, 70.7855, 10.5950 looks on a white background.

Color Contrast Check

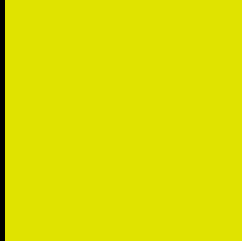
Large Text (above 18pt) WCAG AA × Fail

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 58.2096, 70.7855, 10.5950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

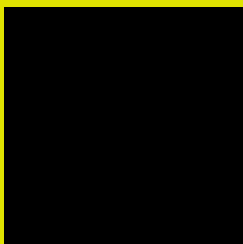
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

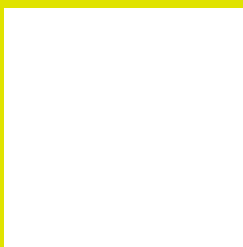
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.2096, 70.7855, 10.5950

Background



This preview shows how black text looks on a background with the XYZ color 58.2096, 70.7855, 10.5950.



This preview shows how white text looks on a background with the XYZ color 58.2096, 70.7855,

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

58.2096, 70.7855, 10.5950

Protanopia

63.6893, 70.4372, 10.2390

Deuteranopia

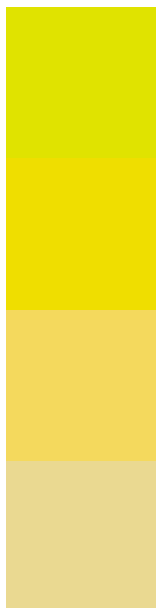
69.9718, 70.4223, 37.0991



Tritanopia

72.8945, 70.5407, 83.1726

Trichromacy



Original Color

58.2096, 70.7855, 10.5950

Protanomaly

61.7179, 70.5933, 10.3730

Deuteranomaly

64.0969, 69.6491, 20.4213

Tritanomaly

63.8554, 69.1625, 36.7722

Monochromacy



Original Color

58.2096, 70.7855, 10.5950

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.1719, 61.1808, 29.0853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2096, 70.7855, 10.5950 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(224, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 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(224, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 58.2096, 70.7855, 10.5950 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(224, 227, 0) }
```


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

```
.border{ border-color:rgb(224, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 227,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2096, 70.7855, 10.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 0) }
```

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

```
.background{ background-color: rgb(224,  
227, 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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