

Converting Colors

XYZ(50.7942, 57.7792, 2.9863)

Have a look what the booklet for
XYZ(50.7942, 57.7792, 2.9863)
contains.

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Color

**XYZ(51.8610, 58.0884,
8.4788)**

Conversions

Conversions Part 1

Format	Color
Hex	E0CA00
RGB	224, 202, 0
RGB Percent	88%, 79%, 0%
CMY	0.1216, 0.2078, 0.9999
CMYK	0.00, 0.10, 1.00, 0.12
HSL	54°, 100%, 44%
HSV	54°, 100%, 88%
XYZ	51.8610, 58.0884, 8.4788
YIQ	185.5500, 77.9540, -58.1580

Conversions

Conversions Part 2

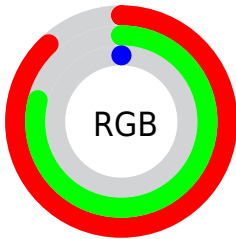
Format	Color
RYB	24, 224, 0
Decimal	14731776
CIELab	80.79, -8.62, 81.47
CIELCh	81, 81.924, 96.036
Yxy	58.0884, 0.4379, 0.4905
Android (android.graphics.Color)	4292921856 (0xFFE0CA00)
YUV	185.5500, -91.4762, 33.7206
Hunter-Lab	76.2157, -11.9172, 46.7552

Details

The XYZ color **51.8610, 58.0884, 8.4788** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **13.7419, 5.9564, 70.9458**, and the grayscale version is **46.8880, 49.3298, 53.7202**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **25.8997, 29.0723, 4.2465** is the 20% darker color. If you saturate the color by 10%, you get **51.8616, 58.0900, 8.4791**, and if you desaturate by 10%, it is **52.5309, 59.1903, 9.4368**.

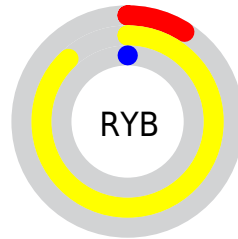
Distribution



Red (88%)

Green (79%)

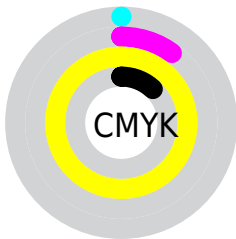
Blue (0%)



Red (9%)

Yellow (88%)

Blue (0%)

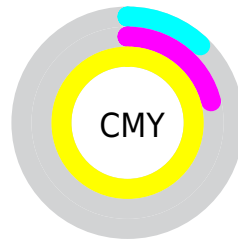


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8610, 58.0884, 8.4788 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 51.8610, 58.0884, 8.4788 by changing the saturation by 10% instead.


 51.8610, 58.0884,
8.4788

 51.8610, 58.0884,
8.4788


384.2325,
417.5153, 189.5133


 37.1181, 41.8797,
4.3107


 92.1017, 102.0516,
23.4533

 25.4730, 29.0071,
1.7973


 118.3301,
130.5749, 35.0969


 16.5604, 19.0862,
0.4262


 149.1179,
163.9718, 50.0693

 10.0150, 11.7326,
0.0000

 184.8302,
202.6268, 68.7891

 5.4712, 6.5619,
0.0000

 225.8324,
246.9243, 91.6748

 2.5639, 3.1896,
0.0000

 272.4900,

 0.9276, 1.2315,

297.2486, 119.1451

0.0000

325.1683,
353.9841, 151.6184

■ 0.0000, 0.0872,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8610, 58.0884,
8.4788

■ 51.8610, 58.0884,
8.4788

■ 51.8616, 58.0900,
8.4791

■ 52.5309, 59.1903,
9.4368

■ 53.3794, 60.3733,
11.3046

■ 54.4636, 61.6623,
14.3769

■ 55.8153, 63.0703,
18.8210

■ 57.4613, 64.6079,
24.7780

■ 59.4251, 66.2847,
32.3715

■ 61.7277, 68.1091,
41.7121

■ 64.3884, 70.0888,
52.9009

■ 67.4249, 72.2309,
66.0315

Harmonies

Analogous

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



69.5034, 58.0884, 10.6028



51.8610, 58.0884, 8.4788



38.2018, 58.0884, 13.8686

Triad

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



51.8610, 58.0884, 8.4788



32.8651, 58.0884, 135.4001



90.5859, 58.0884, 109.1276

Complementary

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



51.8610, 58.0884, 8.4788



13.7419, 5.9564, 70.9458

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.



76.6418, 58.0884, 172.4350



51.8610, 58.0884, 8.4788



43.0264, 58.0884, 192.2675

Square

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



51.8610, 58.0884, 8.4788



28.7712, 58.0884, 73.5587



58.7028, 58.0884, 208.4677



94.2843, 58.0884, 53.9496

Rectangle

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



51.8610, 58.0884, 8.4788



32.3898, 58.0884, 24.1760



58.7028, 58.0884, 208.4677



86.8201, 58.0884, 130.8665

Sweetspot

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



51.8623, 58.0912, 8.4800



82.7365, 91.3150, 55.6481



30.8894, 15.9072, 2.2229



17.4169, 19.3178, 10.7138



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.



51.8623, 58.0912, 8.4800



69.5259, 77.8318, 11.3586



36.5524, 58.4129, 9.3490



14.7507, 15.7874, 14.5766



30.2352, 33.9082, 4.9514



2.1295, 2.4179, 0.3545

Inverse Universe

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



13.7419, 5.9564, 70.9458



18.3985, 7.9169, 95.1662



17.6337, 7.5366, 71.0457



13.0598, 13.4587, 17.2971



8.0363, 3.5422, 41.3085



0.5945, 0.3204, 2.8758

Previews

White Background



This preview shows how the XYZ color 51.8610, 58.0884, 8.4788 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 51.8610, 58.0884, 8.4788 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 51.8610, 58.0884, 8.4788

Background



This preview shows how black text looks on a background with the XYZ color 51.8610, 58.0884, 8.4788.

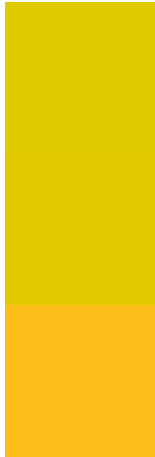


This preview shows how white text looks on a background with the XYZ color 51.8610, 58.0884,

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

51.8610, 58.0884, 8.4788

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

59.1079, 57.7841, 9.0154



Tritanopia

63.2360, 58.0636, 63.7516

Trichromacy



Original Color

51.8610, 58.0884, 8.4788

Protanomaly

51.9380, 57.7808, 8.4154

Deuteranomaly

56.0109, 57.5013, 8.6771

Tritanomaly

56.3111, 56.8807, 28.7800

Monochromacy



Original Color

51.8610, 58.0884, 8.4788

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.9391, 51.2866, 24.6176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8610, 58.0884, 8.4788 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, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 202, 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, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 202, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.8610, 58.0884, 8.4788 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, 202, 0) }
```


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

```
.border{ border-color:rgb(224, 202, 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, 202, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 202,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8610, 58.0884, 8.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 202, 0) }
```

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

```
.background{ background-color: rgb(224,  
202, 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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