

Converting Colors

XYZ(50.7153, 58.2358, 6.0115)

Have a look what the booklet for
XYZ(50.7153, 58.2358, 6.0115)
contains.

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Color

**XYZ(51.1081, 58.4014,
8.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	DCCC00
RGB	220, 204, 0
RGB Percent	86%, 80%, 0%
CMY	0.1373, 0.2000, 0.9999
CMYK	0.00, 0.07, 1.00, 0.14
HSL	56°, 100%, 43%
HSV	56°, 100%, 86%
XYZ	51.1081, 58.4014, 8.5789
YIQ	185.5280, 75.0200, -60.0520

Conversions

Conversions Part 2

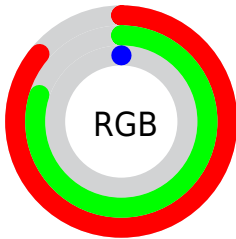
Format	Color
RYB	17, 220, 0
Decimal	14470144
CIELab	80.96, -11.35, 81.43
CIElCh	81, 82.221, 97.935
Yxy	58.4014, 0.4328, 0.4946
Android (android.graphics.Color)	4292660224 (0xFFDCCC00)
YUV	185.5280, -91.4653, 30.2319
Hunter-Lab	76.4208, -14.3606, 46.8387

Details

The XYZ color **51.1081, 58.4014, 8.5789** 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 **13.1040, 5.5385, 68.0880**, and the grayscale version is **46.8767, 49.3180, 53.7073**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **25.4036, 29.2863, 4.3139** is the 20% darker color. If you saturate the color by 10%, you get **51.1089, 58.4033, 8.5792**, and if you desaturate by 10%, it is **51.6365, 59.2265, 9.4706**.

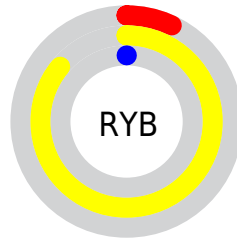
Distribution



Red (86%)

Green (80%)

Blue (0%)



Red (7%)

Yellow (86%)

Blue (0%)

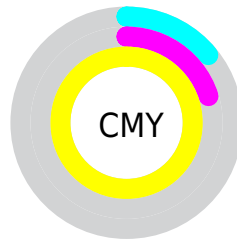


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1081, 58.4014, 8.5789 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 51.1081, 58.4014, 8.5789 by changing the saturation by 10% instead.


 51.1081, 58.4014,
8.5789


 51.1081, 58.4014,
8.5789


381.3644,
418.6800, 190.3056

 36.5160, 42.1314,
4.3745


 90.9966, 102.5072,
23.6504

 25.0050, 29.2042,
1.8330


 117.0237,
131.1117, 35.3545


 16.2095, 19.2354,
0.4496


 147.5932,
164.5967, 50.3957

 9.7643, 11.8405,
0.0000

 183.0705,
203.3463, 69.1924

 5.3040, 6.6351,
0.0000

 223.8209,
247.7451, 92.1632

 2.4633, 3.2350,
0.0000

 270.2098,

 0.8768, 1.2556,

298.1773, 119.7267

0.0000

322.6025,
355.0275, 152.3013

■ 0.0000, 0.1064,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1081, 58.4014,
8.5789

■ 51.1081, 58.4014,
8.5789

■ 51.1089, 58.4033,
8.5792

■ 51.6365, 59.2265,
9.4706

■ 52.3326, 60.1226,
11.2318

■ 53.2516, 61.1142,
14.1475

■ 54.4239, 62.2135,
18.3777

■ 55.8751, 63.4306,
24.0570

■ 57.6277, 64.7746,
31.3037

■ 59.7017, 66.2535,
40.2238

■ 62.1157, 67.8748,
50.9138

■ 64.8864, 69.6452,
63.4633

Harmonies

Analogous

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



68.7479, 58.4014, 10.2482



51.1081, 58.4014, 8.5789



37.7062, 58.4014, 14.5823

Triad

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



51.1081, 58.4014, 8.5789



33.4717, 58.4014, 140.4667



91.7421, 58.4014, 105.7493

Complementary

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



51.1081, 58.4014, 8.5789



13.1040, 5.5385, 68.0880

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.



78.1829, 58.4014, 170.0077



51.1081, 58.4014, 8.5789



44.0888, 58.4014, 196.1970

Square

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



51.1081, 58.4014, 8.5789



28.9731, 58.4014, 77.4402



60.1551, 58.4014, 209.1323



94.6890, 58.4014, 51.4969

Rectangle

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



51.1081, 58.4014, 8.5789



32.1172, 58.4014, 25.6526



60.1551, 58.4014, 209.1323



88.1576, 58.4014, 127.5374

Sweetspot

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



51.1094, 58.4042, 8.5801



83.3374, 92.5170, 55.8484



29.6274, 15.2609, 1.9717



17.5629, 19.6098, 10.7625



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.



51.1094, 58.4042, 8.5801



71.3681, 81.5163, 11.9727



34.5469, 55.8019, 8.9507



14.0770, 15.0933, 13.8969



30.0309, 34.3473, 5.0469



1.9703, 2.2747, 0.3352

Inverse Universe

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



13.1040, 5.5385, 68.0880



18.2752, 7.6703, 95.1251



17.3002, 7.4267, 68.2313



12.4144, 12.7684, 16.4624



7.7206, 3.3105, 39.9705



0.5274, 0.2689, 2.5986

Previews

White Background



This preview shows how the XYZ color 51.1081, 58.4014, 8.5789 looks on a white background.

Color Contrast Check

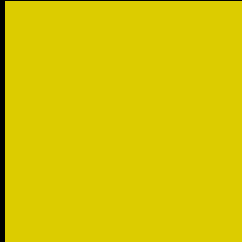
Large Text (above 18pt) WCAG AA × Fail

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 51.1081, 58.4014, 8.5789 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 51.1081, 58.4014, 8.5789

Background



This preview shows how black text looks on a background with the XYZ color 51.1081, 58.4014, 8.5789.

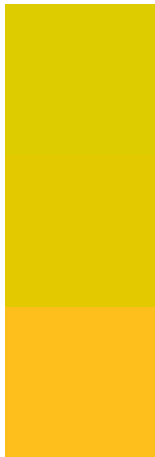


This preview shows how white text looks on a background with the XYZ color 51.1081, 58.4014,

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

51.1081, 58.4014, 8.5789

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

59.7135, 58.4163, 9.2268



Tritanopia

62.5913, 58.3423, 65.0890

Trichromacy



Original Color

51.1081, 58.4014, 8.5789

Protanomaly

52.0964, 58.5592, 8.5573

Deuteranomaly

56.4671, 58.4008, 8.8686

Tritanomaly

55.5393, 57.1359, 29.2202

Monochromacy



Original Color

51.1081, 58.4014, 8.5789

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.6287, 51.4537, 24.6662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1081, 58.4014, 8.5789 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(220, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 204, 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(220, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.1081, 58.4014, 8.5789 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(220, 204, 0) }
```


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

```
.border{ border-color:rgb(220, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1081, 58.4014, 8.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 204, 0) }
```

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

```
.background{ background-color: rgb(220,  
204, 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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