

Converting Colors

XYZ(51.3389, 56.6813, 8.1276)

Have a look what the booklet for
XYZ(51.3389, 56.6813, 8.1276)
contains.

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Color

**XYZ(51.4748, 56.8544,
8.2610)**

Conversions

Conversions Part 1

Format	Color
Hex	E1C700
RGB	225, 199, 0
RGB Percent	88%, 78%, 0%
CMY	0.1176, 0.2196, 0.9999
CMYK	0.00, 0.12, 1.00, 0.12
HSL	53°, 100%, 44%
HSV	53°, 100%, 88%
XYZ	51.4748, 56.8544, 8.2610
YIQ	184.0880, 79.3750, -56.3770

Conversions

Conversions Part 2

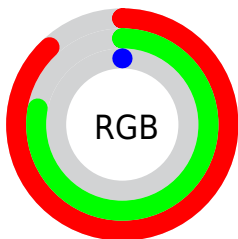
Format	Color
R _Y B	29, 225, 0
Decimal	14796544
CIE Lab	80.10, -6.66, 81.02
CIE LCh	80, 81.290, 94.697
Yxy	56.8544, 0.4415, 0.4876
Android (android.graphics.Color)	4292986624 (0xFFE1C700)
YUV	184.0880, -90.7554, 35.8798
Hunter-Lab	75.4019, -10.0961, 46.2855

Details

The XYZ color **51.4748, 56.8544, 8.2610** 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 **13.9606, 6.1759, 71.6900**, and the grayscale version is **46.0668, 48.4659, 52.7793**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **25.7959, 28.5571, 4.1525** is the 20% darker color. If you saturate the color by 10%, you get **51.4753, 56.8558, 8.2612**, and if you desaturate by 10%, it is **52.2292, 58.1237, 9.2520**.

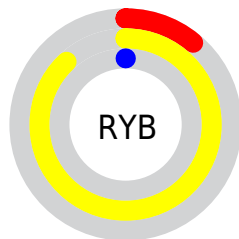
Distribution



Red (88%)

Green (78%)

Blue (0%)



Red (11%)

Yellow (88%)

Blue (0%)

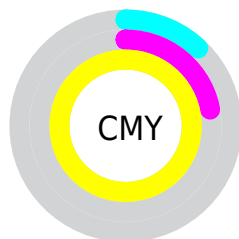


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4748, 56.8544, 8.2610 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 51.4748, 56.8544, 8.2610 by changing the saturation by 10% instead.


 51.4748, 56.8544,
8.2610

 51.4748, 56.8544,
8.2610


382.7630,
412.9035, 187.7755

 36.8092, 40.8884,
4.1722


 91.5350, 100.2527,
23.0231


 25.2328, 28.2319,
1.7203


 117.6604,
128.4538, 34.5335


 16.3802, 18.5005,
0.3746


 148.3364,
161.5019, 49.3549

 9.8862, 11.3099,
0.0000

 183.9283,
199.7816, 67.9058

 5.3852, 6.2757,
0.0000

 224.8016,
243.6772, 90.6048

 2.5121, 3.0134,
0.0000

 271.3216,

 0.9014, 1.1388,

293.5732, 117.8704

0.0000

323.8536,
349.8538, 150.1211

■ 0.0000, 0.0108,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.4748, 56.8544,
8.2610

■ 51.4748, 56.8544,
8.2610

■ 51.4753, 56.8558,
8.2612

■ 52.2292, 58.1237,
9.2520

■ 53.1669, 59.4805,
11.1637

■ 54.3456, 60.9502,
14.2932

■ 55.7974, 62.5457,
18.8098

■ 57.5495, 64.2780,
24.8562

■ 59.6256, 66.1567,
32.5573

■ 62.0470, 68.1903,
42.0249

■ 64.8332, 70.3867,
53.3614

■ 68.0022, 72.7532,
66.6612

Harmonies

Analogous

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



68.8090, 56.8544, 10.6655



51.4748, 56.8544, 8.2610



37.8758, 56.8544, 13.1465

Triad

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



51.4748, 56.8544, 8.2610



31.8742, 56.8544, 129.6061



88.2065, 56.8544, 109.5859

Complementary

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



51.4748, 56.8544, 8.2610



13.9606, 6.1759, 71.6900

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.



74.2474, 56.8544, 171.1011



51.4748, 56.8544, 8.2610



41.5490, 56.8544, 186.2205

Square

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



51.4748, 56.8544, 8.2610



28.1274, 56.8544, 69.6698



56.6857, 56.8544, 204.3584



92.3533, 56.8544, 54.7393

Rectangle

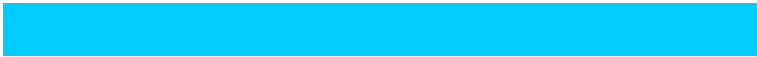
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4748, 56.8544, 8.2610



32.0102, 56.8544, 22.7672



56.6857, 56.8544, 204.3584



84.3838, 56.8544, 130.9024

Sweetspot

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



51.4761, 56.8571, 8.2621



82.3310, 90.5042, 55.5129



31.2409, 16.0838, 2.4511



17.3186, 19.1211, 10.6810



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.



51.4761, 56.8571, 8.2621



68.3108, 75.4016, 10.9536



37.5324, 59.3183, 9.4721



14.7295, 15.7449, 14.5695



29.7182, 32.8742, 4.7790



2.0988, 2.3564, 0.3442

Inverse Universe

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



13.9606, 6.1759, 71.6900



18.5008, 8.1216, 95.2003



17.4529, 7.4277, 71.7475



13.0789, 13.4970, 17.3035



8.0875, 3.6446, 41.3256



0.6036, 0.3387, 2.8788

Previews

White Background



This preview shows how the XYZ color 51.4748, 56.8544, 8.2610 looks on a white background.

Color Contrast Check

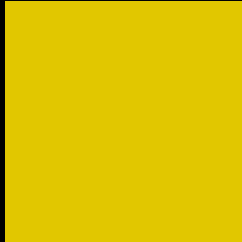
Large Text (above 18pt) WCAG AA × Fail

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 51.4748, 56.8544, 8.2610 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 51.4748, 56.8544, 8.2610

Background



This preview shows how black text looks on a background with the XYZ color 51.4748, 56.8544, 8.2610.

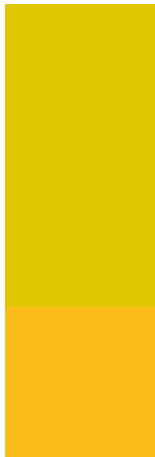


This preview shows how white text looks on a background with the XYZ color 51.4748, 56.8544,

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

51.4748, 56.8544, 8.2610

Protanopia

51.1749, 56.6985, 8.3041

Deuteranopia

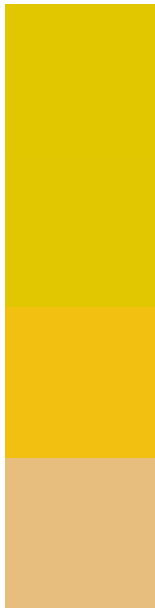
57.9423, 56.5459, 8.7803



Tritanopia

62.2498, 56.6543, 61.6873

Trichromacy



Original Color

51.4748, 56.8544, 8.2610

Protanomaly

51.1694, 56.6963, 8.2753

Deuteranomaly

55.5611, 56.6139, 8.4894

Tritanomaly

55.5229, 55.5150, 27.8678

Monochromacy



Original Color

51.4748, 56.8544, 8.2610

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.9617, 49.8217, 24.0764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4748, 56.8544, 8.2610 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(225, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 199, 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(225, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.4748, 56.8544, 8.2610 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(225, 199, 0) }
```


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

```
.border{ border-color:rgb(225, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4748, 56.8544, 8.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 199, 0) }
```

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

```
.background{ background-color: rgb(225,  
199, 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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