

Converting Colors

XYZ(55.8119, 65.9901, 9.7958)

Have a look what the booklet for
XYZ(55.8119, 65.9901, 9.7958)
contains.

XYZ(55.8119, 65.9901, 9.7958)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.8119, 65.9901,
9.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	E0DA00
RGB	224, 218, 0
RGB Percent	88%, 85%, 0%
CMY	0.1216, 0.1451, 0.9999
CMYK	0.00, 0.03, 1.00, 0.12
HSL	58°, 100%, 44%
HSV	58°, 100%, 88%
XYZ	55.8119, 65.9901, 9.7958
YIQ	194.9420, 73.5540, -66.5260

Conversions

Conversions Part 2

Format	Color
R _Y B	6, 224, 0
Decimal	14735872
CIE Lab	84.99, -16.61, 84.51
CIE LCh	85, 86.123, 101.121
Yxy	65.9901, 0.4241, 0.5015
Android (android.graphics.Color)	4292925952 (0xFFE0DA00)
YUV	194.9420, -96.1064, 25.4839
Hunter-Lab	81.2343, -19.5218, 49.7144

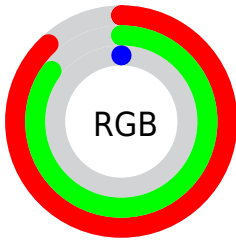
Details

The XYZ color **55.8119, 65.9901, 9.7958** 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 **13.5202, 5.5127, 70.8720**, and the grayscale version is **52.3648, 55.0919, 59.9950**.

A 20% lighter version of the original color is **78.7615, 93.4846, 23.1257**, and **28.4070, 34.0869, 5.0822** is the 20% darker color. If you saturate the color by 10%, you get **55.8130, 65.9927, 9.7962**, and if you desaturate by 10%, it is **56.1180, 66.3642, 10.6328**.

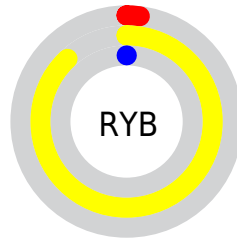
Distribution



Red (88%)

Green (85%)

Blue (0%)



Red (2%)

Yellow (88%)

Blue (0%)

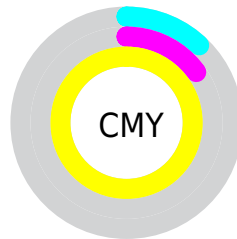


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8119, 65.9901, 9.7958 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 55.8119, 65.9901, 9.7958 by changing the saturation by 10% instead.

■ 55.8119, 65.9901,
9.7958

■ 55.8119, 65.9901,
9.7958

399.0688,
446.3415, 199.6400

■ 40.2885, 48.2644,
5.1599

■ 97.8709, 113.4721,
26.0125

■ 27.9488, 34.0363,
2.2810

■ 125.1373,
143.9972, 38.4304

■ 18.4273, 22.9215,
0.7206

■ 157.0487,
179.5575, 54.2794

■ 11.3588, 14.5355,
0.0000

■ 193.9705,
220.5375, 73.9781

■ 6.3777, 8.4941,
0.0000

■ 236.2680,
267.3214, 97.9449

■ 3.1189, 4.4127,
0.0000

■ 284.3067,

■ 1.2170, 1.9070,

320.2938, 126.5985

0.0000

338.4518,
379.8391, 160.3573

■ 0.1197, 0.5526,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8119, 65.9901,
9.7958

■ 55.8119, 65.9901,
9.7958

■ 55.8130, 65.9927,
9.7962

■ 56.1180, 66.3642,
10.6328

■ 56.5956, 66.8053,
12.3773

■ 57.3021, 67.3389,
15.3239

■ 58.2693, 67.9776,
19.6403

■ 59.5238, 68.7322,
25.4672

■ 61.0891, 69.6120,
32.9283

■ 62.9864, 70.6255,
42.1343

■ 65.2347, 71.7804,
53.1862

■ 67.8519, 73.0836,
66.1775

Harmonies

Analogous

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



75.5552, 65.9901, 10.8185



55.8119, 65.9901, 9.7958



41.2865, 65.9901, 17.7445

Triad

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



55.8119, 65.9901, 9.7958



38.6493, 65.9901, 167.2480



104.9518, 65.9901, 112.1666

Complementary

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



55.8119, 65.9901, 9.7958



13.5202, 5.5127, 70.8720

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.



90.5277, 65.9901, 185.8125



55.8119, 65.9901, 9.7958



51.4304, 65.9901, 227.3102

Square

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



55.8119, 65.9901, 9.7958



32.8256, 65.9901, 94.4397



70.1793, 65.9901, 235.4522



106.8001, 65.9901, 53.1877

Rectangle

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



55.8119, 65.9901, 9.7958



35.4450, 65.9901, 31.6808



70.1793, 65.9901, 235.4522



101.2927, 65.9901, 136.6243

Sweetspot

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



55.8134, 65.9932, 9.7971



84.4366, 94.7153, 56.2148



30.7816, 15.8642, 1.6550



17.8305, 20.1449, 10.8517



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.



55.8134, 65.9932, 9.7971



74.8617, 88.5034, 13.1372



34.3294, 57.2670, 9.2451



14.8387, 15.9633, 14.6059



32.5018, 38.4415, 5.7069



2.2629, 2.6847, 0.3989

Inverse Universe

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



13.5202, 5.5127, 70.8720



18.1241, 7.3681, 95.0747



19.2276, 8.3584, 71.1204



12.9813, 13.3017, 17.2710



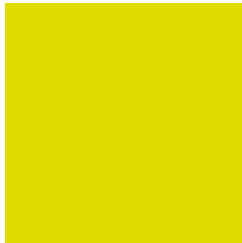
7.8826, 3.2348, 41.2573



0.5569, 0.2453, 2.8632

Previews

White Background



This preview shows how the XYZ color 55.8119, 65.9901, 9.7958 looks on a white background.

Color Contrast Check

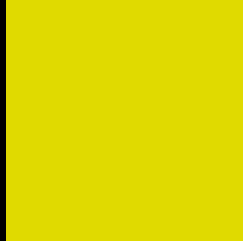
Large Text (above 18pt) WCAG AA × Fail

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 55.8119, 65.9901, 9.7958 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 55.8119, 65.9901, 9.7958

Background



This preview shows how black text looks on a background with the XYZ color 55.8119, 65.9901, 9.7958.



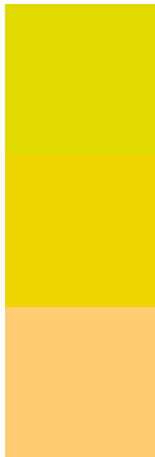
This preview shows how white text looks on a background with the XYZ color 55.8119, 65.9901,

9.7958.

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

55.8119, 65.9901, 9.7958

Protanopia

59.3909, 65.9392, 9.5973

Deuteranopia

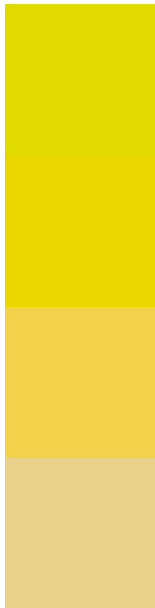
65.9853, 65.7067, 25.7279



Tritanopia

69.2707, 65.9510, 75.4085

Trichromacy



Original Color

55.8119, 65.9901, 9.7958

Protanomaly

58.2321, 66.0933, 9.6881

Deuteranomaly

61.3447, 65.3284, 15.8550

Tritanomaly

60.8203, 64.2995, 33.6316

Monochromacy



Original Color

55.8119, 65.9901, 9.7958

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.4476, 57.2889, 27.4678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8119, 65.9901, 9.7958 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, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 218, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.8119, 65.9901, 9.7958 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, 218, 0) }
```


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

```
.border{ border-color:rgb(224, 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(224, 218, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 218,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8119, 65.9901, 9.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 218, 0) }
```

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

```
.background{ background-color: rgb(224,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor