

Converting Colors

XYZ(54.7669, 68.7268, 4.5731)

Have a look what the booklet for
XYZ(54.7669, 68.7268, 4.5731)
contains.

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Color

**XYZ(55.8116, 69.1444,
10.4046)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E200
RGB	217, 226, 0
RGB Percent	85%, 89%, 0%
CMY	0.1490, 0.1137, 0.9999
CMYK	0.04, 0.00, 1.00, 0.11
HSL	62°, 100%, 44%
HSV	62°, 100%, 89%
XYZ	55.8116, 69.1444, 10.4046
YIQ	197.5450, 67.1820, -72.1940

Conversions

Conversions Part 2

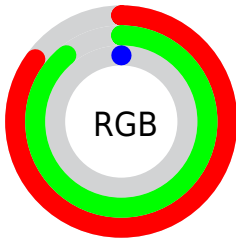
Format	Color
RYB	0, 226, 9
Decimal	14279168
CIELab	86.58, -23.44, 85.42
CIElCh	87, 88.576, 105.345
Yxy	69.1444, 0.4123, 0.5108
Android (android.graphics.Color)	4292469248 (0xFFD9E200)
YUV	197.5450, -97.3897, 17.0620
Hunter-Lab	83.1531, -25.7104, 50.7885

Details

The XYZ color **55.8116, 69.1444, 10.4046** 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 **13.8417, 5.5503, 72.2976**, and the grayscale version is **53.9476, 56.7570, 61.8084**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **28.4675, 36.2939, 5.5050** is the 20% darker color. If you saturate the color by 10%, you get **55.8126, 69.1474, 10.4051**, and if you desaturate by 10%, it is **56.2325, 69.3464, 11.2128**.

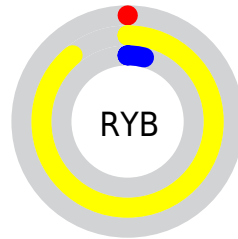
Distribution



Red (85%)

Green (89%)

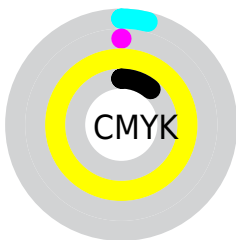
Blue (0%)



Red (0%)

Yellow (89%)

Blue (4%)

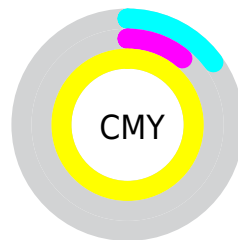


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (15%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8116, 69.1444, 10.4046 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 55.8116, 69.1444, 10.4046 by changing the saturation by 10% instead.


 55.8116, 69.1444,
10.4046


 55.8116, 69.1444,
10.4046


399.0677,
457.5401, 204.1245


 40.2883, 50.8293,
5.5589


 97.8705, 117.9878,
27.1734


 27.9486, 36.0728,
2.5144

 125.1368,
149.2849, 39.9336


 18.4272, 24.4904,
0.8478


 157.0481,
185.6781, 56.1691

 11.3587, 15.6978,
0.0000

 193.9698,
227.5519, 76.2984

 6.3777, 9.3106,
0.0000

 236.2672,
275.2906, 100.7401

 3.1189, 4.9443,
0.0000

 284.3058,

 1.2169, 2.2146,

329.2786, 129.9126

0.0000

338.4508,
389.9003, 164.2346

■ 0.1197, 0.7279,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8116, 69.1444,
10.4046

■ 55.8116, 69.1444,
10.4046

■ 55.8126, 69.1474,
10.4051

■ 56.2325, 69.3464,
11.2128

■ 56.8296, 69.6164,
12.9481

■ 57.6612, 69.9804,
15.9105

■ 58.7598, 70.4513,
20.2711

60.1527, 71.0402,
26.1743

61.8640, 71.7566,
33.7461

63.9151, 72.6091,
43.0998

66.3258, 73.6055,
54.3388

69.1140, 74.7532,
67.5584

Harmonies

Analogous

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



76.2276, 69.1444, 10.3106



55.8116, 69.1444, 10.4046



41.4365, 69.1444, 20.4845

Triad

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



55.8116, 69.1444, 10.4046



41.6843, 69.1444, 187.8276



111.8177, 69.1444, 107.6850

Complementary

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



55.8116, 69.1444, 10.4046



13.8417, 5.5503, 72.2976

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.



98.0110, 69.1444, 186.0611



55.8116, 69.1444, 10.4046



56.2247, 69.1444, 246.3194

Square

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



55.8116, 69.1444, 10.4046



34.5146, 69.1444, 109.3643



76.7360, 69.1444, 245.5431



111.6423, 69.1444, 49.1438

Rectangle

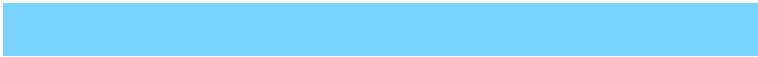
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.8116, 69.1444, 10.4046



35.9616, 69.1444, 37.2706



76.7360, 69.1444, 245.5431



108.5496, 69.1444, 133.0201

Sweetspot

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



55.8132, 69.1476, 10.4060



83.9733, 95.4408, 56.3792



31.4482, 16.3340, 1.4961



17.7176, 20.3220, 10.8918



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.



55.8132, 69.1476, 10.4060



73.3591, 90.9031, 13.6796



33.0810, 57.4288, 9.3422



14.8149, 16.0003, 14.6143



31.8642, 39.4591, 5.9369



2.2257, 2.7439, 0.4123

Inverse Universe

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



13.8417, 5.5503, 72.2976



18.1772, 7.2856, 95.0560



21.5509, 9.5245, 72.6584



13.0023, 13.2692, 17.2636



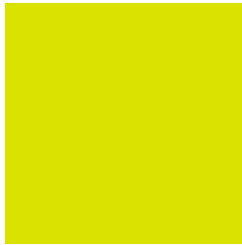
7.9193, 3.1779, 41.2444



0.5670, 0.2296, 2.8597

Previews

White Background



This preview shows how the XYZ color 55.8116, 69.1444, 10.4046 looks on a white background.

Color Contrast Check

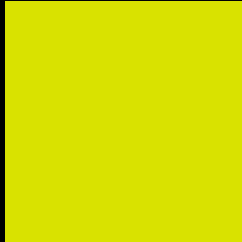
Large Text (above 18pt) WCAG AA × Fail

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 55.8116, 69.1444, 10.4046 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 55.8116, 69.1444, 10.4046

Background



This preview shows how black text looks on a background with the XYZ color 55.8116, 69.1444, 10.4046.

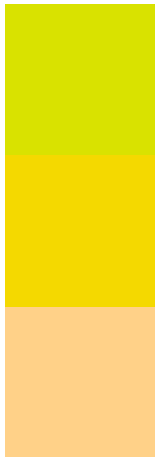


This preview shows how white text looks on a background with the XYZ color 55.8116, 69.1444,

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

55.8116, 69.1444, 10.4046

Protanopia

62.1211, 68.8588, 10.0169

Deuteranopia

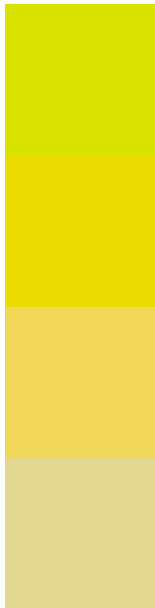
68.4844, 68.6385, 32.9316



Tritanopia

70.5160, 68.9629, 82.2676

Trichromacy



Original Color

55.8116, 69.1444, 10.4046

Protanomaly

59.5249, 68.6788, 10.1190

Deuteranomaly

62.2964, 67.9898, 18.8568

Tritanomaly

61.2685, 67.4562, 36.1767

Monochromacy



Original Color

55.8116, 69.1444, 10.4046

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.4986, 59.5972, 28.5278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8116, 69.1444, 10.4046 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(217, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 226, 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(217, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.8116, 69.1444, 10.4046 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(217, 226, 0) }
```


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

```
.border{ border-color:rgb(217, 226, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 226, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 226,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8116, 69.1444, 10.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 226, 0) }
```

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

```
.background{ background-color: rgb(217,  
226, 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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