

Converting Colors

XYZ(58.6800, 80.9461, 12.8184)

Have a look what the booklet for
XYZ(58.6800, 80.9461, 12.8184)
contains.

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Color

**XYZ(58.5975, 80.9497,
12.8236)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFA0A
RGB	202, 250, 10
RGB Percent	79%, 98%, 4%
CMY	0.2078, 0.0196, 0.9606
CMYK	0.19, 0.00, 0.96, 0.02
HSL	72°, 96%, 51%
HSV	72°, 96%, 98%
XYZ	58.5975, 80.9497, 12.8236
YIQ	208.2880, 48.4320, -84.8160

Conversions

Conversions Part 2

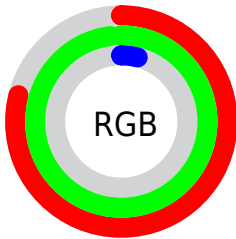
Format	Color
RYB	10, 250, 58
Decimal	13302282
CIELab	92.11, -40.44, 88.36
CIELCh	92, 97.175, 114.591
Yxy	80.9497, 0.3846, 0.5313
Android (android.graphics.Color)	4291492362 (0xFFCAFA0A)
YUV	208.2880, -97.7560, -5.5146
Hunter-Lab	89.9721, -41.1966, 54.5299

Details

The XYZ color **58.5975, 80.9497, 12.8236** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.1128, 8.0213, 90.9883**, and the grayscale version is **60.7390, 63.9021, 69.5894**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **30.2253, 43.8907, 6.8787** is the 20% darker color. If you saturate the color by 10%, you get **58.0045, 80.6530, 12.5104**, and if you desaturate by 10%, it is **60.2237, 81.7620, 14.2006**.

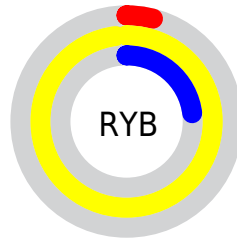
Distribution



Red (79%)

Green (98%)

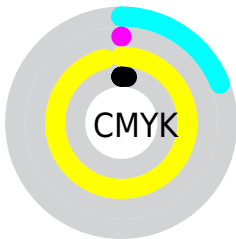
Blue (4%)



Red (4%)

Yellow (98%)

Blue (23%)

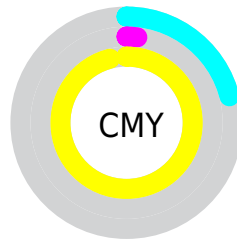


Cyan (19%)

Magenta (0%)

Yellow (96%)

Black (2%)



Cyan (21%)

Magenta (2%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5975, 80.9497, 12.8236 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 58.5975, 80.9497, 12.8236 by changing the saturation by 10% instead.


 58.5975, 80.9497,
12.8236

 58.5975, 80.9497,
12.8236


409.3267,
498.1276, 220.9520

 42.5343, 60.5002,
7.1779


 101.9104,
134.7001, 31.6730

 29.7128, 43.8219,
3.4935


 129.8909,
168.7698, 45.7138


 19.7677, 30.5305,
1.3518


 162.5744,
208.1484, 63.3901

 12.3336, 20.2416,
0.1037

 200.3265,
253.2202, 85.1203

 7.0451, 12.5708,
0.0000

 243.5124,
304.3696, 111.3231

 3.5369, 7.1337,
0.0000

 292.4975,

 1.4436, 3.5458,

361.9811, 142.4170

0.0000

347.6472,
426.4389, 178.8204

■ 0.2870, 1.4229,
0.0000

■ 0.0000, 0.2335,
0.0000

■ 58.5975, 80.9497,
12.8236

■ 58.5975, 80.9497,
12.8236

■ 58.0045, 80.6530,
12.5104

■ 60.2237, 81.7620,
14.2006

■ 62.1561, 82.6989,
16.9670

■ 64.4451, 83.7837,
21.3779

■ 67.1299, 85.0320,
27.6381

70.2442, 86.4573,
35.9226

73.8176, 88.0716,
46.3858

77.8772, 89.8857,
59.1675

82.4475, 91.9094,
74.3957

87.5514, 94.1520,
92.1890

Harmonies

Analogous

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



81.5670, 80.9497, 9.8078



58.5975, 80.9497, 12.8236



43.9992, 80.9497, 29.9656

Triad

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



58.5975, 80.9497, 12.8236



52.2853, 80.9497, 254.9986



135.4969, 80.9497, 101.7829

Complementary

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



58.5975, 80.9497, 12.8236



19.1128, 8.0213, 90.9883

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.



123.2172, 80.9497, 194.5680



58.5975, 80.9497, 12.8236



72.4919, 80.9497, 308.9308

Square

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



58.5975, 80.9497, 12.8236



40.9468, 80.9497, 158.8529



98.7596, 80.9497, 282.3004



129.5323, 80.9497, 42.3196

Rectangle

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



58.5975, 80.9497, 12.8236



39.2402, 80.9497, 56.3525



98.7596, 80.9497, 282.3004



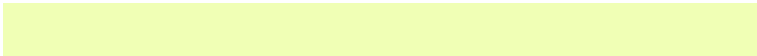
133.2983, 80.9497, 130.0756

Sweetspot

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



58.5993, 80.9534, 12.8253



80.1108, 93.4196, 57.5525



40.9961, 23.3764, 2.6396



16.7598, 19.8226, 11.1011



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.



58.5993, 80.9534, 12.8253



60.6580, 84.3554, 13.0852



37.7246, 70.1920, 11.8484



18.3673, 20.0051, 18.3557



30.8863, 42.8407, 6.6412



2.9440, 4.0108, 0.6190

Inverse Universe

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



19.1128, 8.0213, 90.9883



19.4160, 7.9242, 95.1139



35.7289, 16.5872, 91.7659



16.6073, 16.8102, 21.7547



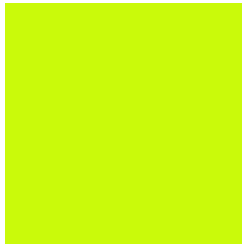
9.9429, 4.0684, 48.2348



1.0027, 0.4190, 4.4712

Previews

White Background



This preview shows how the XYZ color 58.5975, 80.9497, 12.8236 looks on a white background.

Color Contrast Check

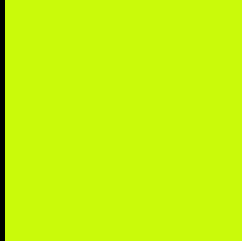
Large Text (above 18pt) WCAG AA × Fail

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 58.5975, 80.9497, 12.8236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

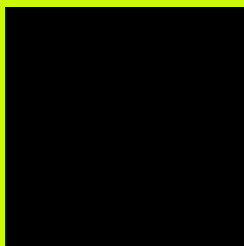
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5975, 80.9497, 12.8236

Background



This preview shows how black text looks on a background with the XYZ color 58.5975, 80.9497, 12.8236.



This preview shows how white text looks on a background with the XYZ color 58.5975, 80.9497,

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

58.5975, 80.9497, 12.8236

Protanopia

73.3666, 80.2812, 28.7685

Deuteranopia

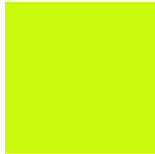
78.1131, 79.9598, 60.6070



Tritanopia

76.7006, 80.3662, 102.7365

Trichromacy



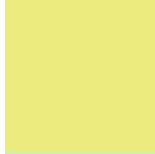
Original Color

58.5975, 80.9497, 12.8236



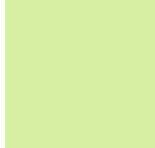
Protanomaly

66.8699, 80.1304, 19.3394



Deuteranomaly

68.0021, 78.7302, 31.0144



Tritanomaly

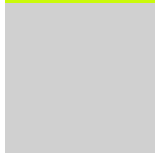
65.5017, 78.8244, 46.4127

Monochromacy



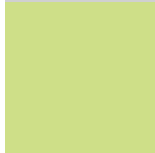
Original Color

58.5975, 80.9497, 12.8236



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.2852, 67.6747, 33.3885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5975, 80.9497, 12.8236 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(202, 250, 10)` looks like.

```
.text, #text, p{  
    color:rgb(202, 250, 10)  
}
```

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(202, 250, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 250, 10) }
```

Border

The CSS property to change the border of an element to XYZ 58.5975, 80.9497, 12.8236 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(202, 250, 10) }
```


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

```
.border{ border-color:rgb(202, 250, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 250, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 250, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 250, 10);  
box-shadow:4px 4px 4px 4px rgb(202, 250,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5975, 80.9497, 12.8236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 250, 10) }
```

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

```
.background{ background-color: rgb(202,  
250, 10) }
```

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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