

Converting Colors

XYZ(57.8148, 76.4910, 12.2190)

Have a look what the booklet for
XYZ(57.8148, 76.4910, 12.2190)
contains.

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Color

**XYZ(57.8433, 76.5033,
12.2082)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F110
RGB	209, 241, 16
RGB Percent	82%, 95%, 6%
CMY	0.1804, 0.0549, 0.9371
CMYK	0.13, 0.00, 0.93, 0.05
HSL	69°, 89%, 50%
HSV	69°, 93%, 95%
XYZ	57.8433, 76.5033, 12.2082
YIQ	205.7820, 53.1530, -76.7590

Conversions

Conversions Part 2

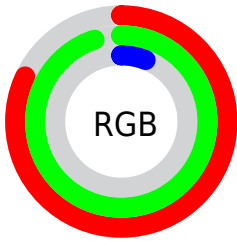
Format	Color
R_{YB}	16, 241, 48
Decimal	13758736
CIE _{Lab}	90.09, -33.58, 86.48
CIE _{LCh}	90, 92.768, 111.221
Yxy	76.5033, 0.3947, 0.5220
Android (android.graphics.Color)	4291948816 (0xFFD1F110)
YUV	205.7820, -93.5625, 2.8222
Hunter-Lab	87.4662, -35.0198, 52.9508

Details

The XYZ color **57.8433, 76.5033, 12.2082** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **17.2843, 7.3518, 83.7318**, and the grayscale version is **59.0863, 62.1634, 67.6959**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **29.9266, 41.1820, 6.3716** is the 20% darker color. If you saturate the color by 10%, you get **57.1108, 76.1391, 11.6863**, and if you desaturate by 10%, it is **59.1171, 77.1289, 13.7904**.

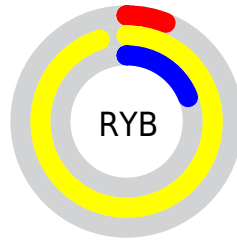
Distribution



Red (82%)

Green (95%)

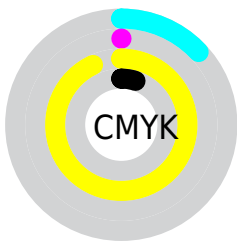
Blue (6%)



Red (6%)

Yellow (95%)

Blue (19%)

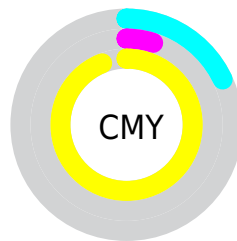


Cyan (13%)

Magenta (0%)

Yellow (93%)

Black (5%)



Cyan (18%)

Magenta (5%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8433, 76.5033, 12.2082 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 57.8433, 76.5033, 12.2082 by changing the saturation by 10% instead.

■ 57.8433, 76.5033,
12.2082

■ 57.8433, 76.5033,
12.2082

406.5651,
483.0688, 216.8054

■ 41.9255, 56.8453,
6.7614

■ 100.8189,
128.4381, 30.5438

■ 29.2338, 40.8811,
3.2371

■ 128.6074,
161.4837, 44.2696

■ 19.4029, 28.2262,
1.2170

■ 161.0835,
199.7606, 61.5922

■ 12.0675, 18.4962,
0.0000

■ 198.6125,
243.6532, 82.9301

■ 6.8622, 11.3068,
0.0000

■ 241.5598,
293.5460, 108.7018

■ 3.4216, 6.2736,
0.0000

■ 290.2907,

■ 1.3805, 3.0122,

349.8232, 139.3259

0.0000

345.1707,
412.8694, 175.2209

■ 0.2422, 1.1381,
0.0000

■ 0.0000, 0.0102,
0.0000

■ 57.8433, 76.5033,
12.2082

■ 57.8433, 76.5033,
12.2082

■ 57.1108, 76.1391,
11.6863

■ 59.1171, 77.1289,
13.7904

■ 60.6655, 77.8640,
16.7164

■ 62.5315, 78.7285,
21.2044

■ 64.7490, 79.7361,
27.4328

67.3475, 80.8986,
35.5559

70.3532, 82.2264,
45.7109

73.7899, 83.7292,
58.0224

77.6794, 85.4156,
72.6051

82.0421, 87.2937,
89.5653

Harmonies

Analogous

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



79.6792, 76.5033, 10.3367



57.8433, 76.5033, 12.2082



43.3840, 76.5033, 26.4656

Triad

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



57.8433, 76.5033, 12.2082



48.3702, 76.5033, 226.3094



125.8026, 76.5033, 104.1774

Complementary

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



57.8433, 76.5033, 12.2082



17.2843, 7.3518, 83.7318

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.



112.9556, 76.5033, 190.5592



57.8433, 76.5033, 12.2082



66.1672, 76.5033, 281.8179

Square

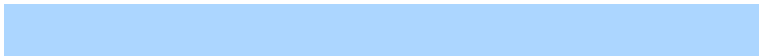
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.8433, 76.5033, 12.2082



38.7713, 76.5033, 138.1109



89.9373, 76.5033, 266.0977



122.2589, 76.5033, 45.3303

Rectangle

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



57.8433, 76.5033, 12.2082



38.3486, 76.5033, 48.7989



89.9373, 76.5033, 266.0977



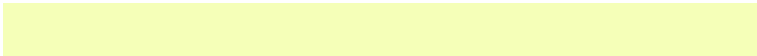
123.1734, 76.5033, 131.1208

Sweetspot

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



57.8450, 76.5068, 12.2098



81.9710, 94.3481, 59.0185



37.3493, 20.6952, 2.5173



17.1921, 20.0397, 11.3803



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.



57.8450, 76.5068, 12.2098



64.8899, 86.5370, 13.2833



36.6440, 65.5772, 11.2176



16.8890, 18.3384, 16.7992



31.0560, 41.3315, 6.3410



2.6436, 3.4693, 0.5303

Inverse Universe

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



17.2843, 7.3518, 83.7318



18.7873, 7.6001, 95.0845



30.2656, 14.0439, 84.3393



15.1064, 15.3366, 19.8857



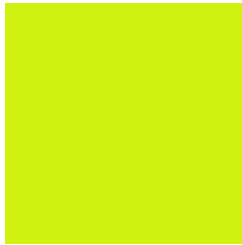
9.0389, 3.6651, 45.3589



0.8162, 0.3380, 3.7764

Previews

White Background



This preview shows how the XYZ color 57.8433, 76.5033, 12.2082 looks on a white background.

Color Contrast Check

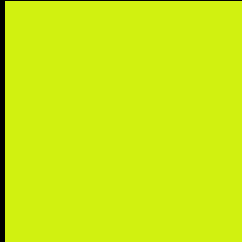
Large Text (above 18pt) WCAG AA × Fail

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 57.8433, 76.5033, 12.2082 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 57.8433, 76.5033, 12.2082

Background



This preview shows how black text looks on a background with the XYZ color 57.8433, 76.5033, 12.2082.



This preview shows how white text looks on a background with the XYZ color 57.8433, 76.5033,

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

57.8433, 76.5033, 12.2082

Protanopia

68.8266, 76.2452, 11.7053

Deuteranopia

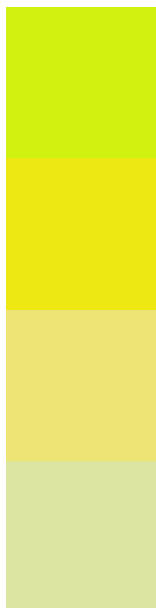
74.6393, 75.9900, 50.2688



Tritanopia

74.3612, 76.0530, 94.7648

Trichromacy



Original Color

57.8433, 76.5033, 12.2082

Protanomaly

64.2257, 75.9340, 11.8439

Deuteranomaly

66.1557, 74.9249, 27.4982

Tritanomaly

64.1572, 74.3473, 44.2267

Monochromacy



Original Color

57.8433, 76.5033, 12.2082

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

55.5790, 65.7346, 33.4256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8433, 76.5033, 12.2082 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(209, 241, 16)` looks like.

```
.text, #text, p{  
    color:rgb(209, 241, 16)  
}
```

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(209, 241, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 241, 16) }
```

Border

The CSS property to change the border of an element to XYZ 57.8433, 76.5033, 12.2082 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(209, 241, 16) }
```


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

```
.border{ border-color:rgb(209, 241, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 241, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 241, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 241, 16);  
box-shadow:4px 4px 4px 4px rgb(209, 241,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8433, 76.5033, 12.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 241, 16) }
```

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

```
.background{ background-color: rgb(209,  
241, 16) }
```

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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