

Converting Colors

XYZ(58.2107, 77.9878, 13.8209)

Have a look what the booklet for
XYZ(58.2107, 77.9878, 13.8209)
contains.

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Color

**XYZ(58.1541, 77.9631,
13.8171)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF426
RGB	206, 244, 38
RGB Percent	81%, 96%, 15%
CMY	0.1922, 0.0431, 0.8509
CMYK	0.16, 0.00, 0.84, 0.04
HSL	71°, 90%, 55%
HSV	71°, 84%, 96%
XYZ	58.1541, 77.9631, 13.8171
YIQ	209.1540, 43.4780, -72.1220

Conversions

Conversions Part 2

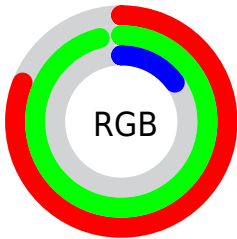
Format	Color
R _Y B	38, 244, 76
Decimal	13562918
CIE Lab	90.76, -35.71, 83.57
CIE LCh	91, 90.881, 113.138
Yxy	77.9631, 0.3879, 0.5200
Android (android.graphics.Color)	4291752998 (0xFFCEF426)
YUV	209.1540, -84.3789, -2.7661
Hunter-Lab	88.2967, -36.9553, 52.5297

Details

The XYZ color **58.1541, 77.9631, 13.8171** 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 **20.0056, 9.4564, 86.3635**, and the grayscale version is **61.2215, 64.4098, 70.1422**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **30.0158, 42.1695, 6.5575** is the 20% darker color. If you saturate the color by 10%, you get **56.6504, 77.2221, 12.3214**, and if you desaturate by 10%, it is **59.9546, 78.8326, 16.6734**.

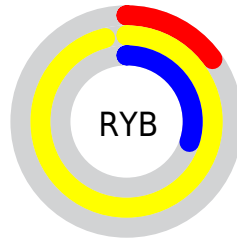
Distribution



Red (81%)

Green (96%)

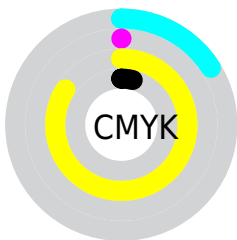
Blue (15%)



Red (15%)

Yellow (96%)

Blue (30%)

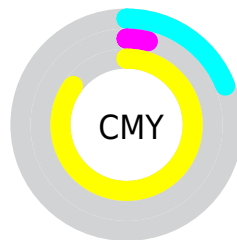


Cyan (16%)

Magenta (0%)

Yellow (84%)

Black (4%)



Cyan (19%)


Magenta (4%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1541, 77.9631, 13.8171 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 58.1541, 77.9631, 13.8171 by changing the saturation by 10% instead.


 58.1541, 77.9631,
13.8171


 58.1541, 77.9631,
13.8171


407.7045,
488.0415, 227.4787

 42.1763, 58.0437,
7.8563


 101.2689,
130.4981, 33.4766

 29.4311, 41.8438,
3.9167


 129.1366,
163.8825, 48.0123


 19.5531, 28.9790,
1.5797


 161.6983,
202.5239, 66.2435

 12.1770, 19.0649,
0.2763

 199.3194,
246.8069, 88.5885

 6.9374, 11.7172,
0.0000

 242.3652,
297.1157, 115.4660

 3.4689, 6.5514,
0.0000

291.2011,

 1.4063, 3.1832,

353.8348, 147.2945

0.0000

346.1924,
417.3486, 184.4926

■ 0.2607, 1.2281,
0.0000

■ 0.0000, 0.0845,
0.0000

■ 58.1541, 77.9631,
13.8171

■ 58.1541, 77.9631,
13.8171

■ 56.6504, 77.2221,
12.3214

■ 59.9546, 78.8326,
16.6734

■ 55.9018, 76.8451,
11.8862

■ 62.0904, 79.8376,
21.1147

■ 64.5992, 80.9959,
27.3300

■ 67.5118, 82.3200,
35.4805

70.8557, 83.8209,
45.7095

74.6559, 85.5086,
58.1466

78.9352, 87.3923,
72.9109

83.7148, 89.4805,
90.1131

88.5903, 91.6115,
107.6213

Harmonies

Analogous

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



79.4714, 77.9631, 11.2484



58.1541, 77.9631, 13.8171



44.2336, 77.9631, 29.5967

Triad

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



58.1541, 77.9631, 13.8171



50.7620, 77.9631, 230.4567



126.7947, 77.9631, 100.8136

Complementary

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



58.1541, 77.9631, 13.8171



20.0056, 9.4564, 86.3635

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.



115.0699, 77.9631, 184.8587



58.1541, 77.9631, 13.8171



68.9793, 77.9631, 280.9109

Square

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



58.1541, 77.9631, 13.8171



40.6183, 77.9631, 144.5014



92.7267, 77.9631, 260.9433



122.2477, 77.9631, 44.4467

Rectangle

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



58.1541, 77.9631, 13.8171



39.5270, 77.9631, 53.3917



92.7267, 77.9631, 260.9433



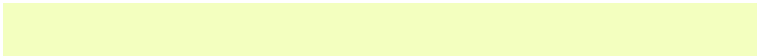
124.5577, 77.9631, 126.8311

Sweetspot

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



58.1559, 77.9666, 13.8187



82.2358, 94.3896, 63.3193



40.2295, 24.5126, 4.4459



17.2751, 20.0585, 12.4675



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.



58.1559, 77.9666, 13.8187



61.7587, 84.9228, 13.1367



38.3241, 67.7430, 12.8906



17.5973, 19.1500, 17.5664



30.5028, 41.8376, 6.4678



2.7569, 3.7163, 0.5720

Inverse Universe

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



20.0056, 9.4564, 86.3635



19.2245, 7.8255, 95.1050



35.5619, 17.4760, 87.0915



15.8664, 16.0737, 20.8089



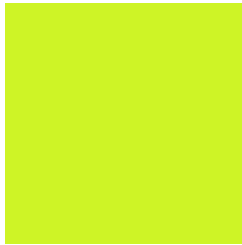
9.5500, 3.8975, 46.7870



0.9160, 0.3821, 4.1157

Previews

White Background



This preview shows how the XYZ color 58.1541, 77.9631, 13.8171 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 58.1541, 77.9631, 13.8171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

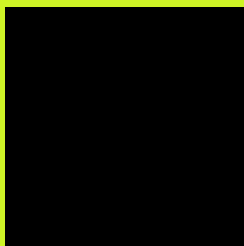
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.1541, 77.9631, 13.8171

Background



This preview shows how black text looks on a background with the XYZ color 58.1541, 77.9631, 13.8171.

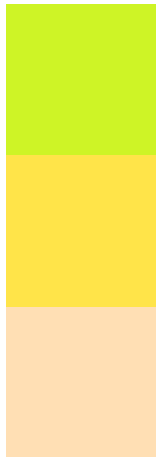


This preview shows how white text looks on a background with the XYZ color 58.1541, 77.9631,

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

58.1541, 77.9631, 13.8171

Protanopia

70.1860, 77.2278, 17.5106

Deuteranopia

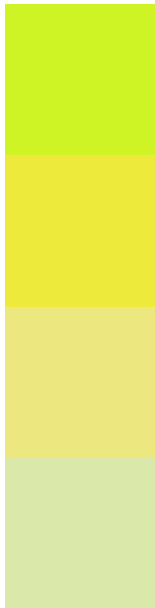
75.8659, 77.3306, 54.1078



Tritanopia

75.0019, 77.5383, 97.3996

Trichromacy



Original Color

58.1541, 77.9631, 13.8171

Protanomaly

65.1635, 77.1764, 15.7370

Deuteranomaly

67.3972, 76.7149, 31.6773

Tritanomaly

65.3081, 76.0855, 49.2741

Monochromacy



Original Color

58.1541, 77.9631, 13.8171

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

57.4002, 67.7590, 37.6573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1541, 77.9631, 13.8171 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(206, 244, 38)` looks like.

```
.text, #text, p{  
    color:rgb(206, 244, 38)  
}
```

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(206, 244, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 244, 38) }
```

Border

The CSS property to change the border of an element to XYZ 58.1541, 77.9631, 13.8171 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(206, 244, 38) }
```


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

```
.border{ border-color:rgb(206, 244, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 244, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 244, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 244, 38);  
box-shadow:4px 4px 4px 4px rgb(206, 244,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1541, 77.9631, 13.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 244, 38) }
```

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

```
.background{ background-color: rgb(206,  
244, 38) }
```

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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