

Converting Colors

XYZ(55.4278, 78.1081, 12.1550)

Have a look what the booklet for
XYZ(55.4278, 78.1081, 12.1550)
contains.

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Color

**XYZ(55.2531, 77.8590,
12.1161)**

Conversions

Conversions Part 1

Format	Color
Hex	C1F700
RGB	193, 247, 0
RGB Percent	76%, 97%, 0%
CMY	0.2431, 0.0314, 0.9999
CMYK	0.22, 0.00, 1.00, 0.03
HSL	73°, 100%, 48%
HSV	73°, 100%, 97%
XYZ	55.2531, 77.8590, 12.1161
YIQ	202.6960, 47.1030, -88.2650

Conversions

Conversions Part 2

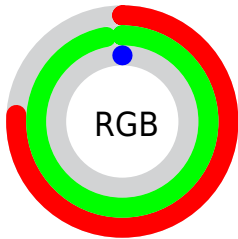
Format	Color
RYB	0, 247, 54
Decimal	12711680
CIELab	90.72, -42.69, 87.79
CIELCh	91, 97.622, 115.929
Yxy	77.8590, 0.3805, 0.5361
Android (android.graphics.Color)	4290901760 (0xFFC1F700)
YUV	202.6960, -99.9291, -8.5034
Hunter-Lab	88.2377, -42.6421, 53.6252

Details

The XYZ color **55.2531, 77.8590, 12.1161** 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 **18.3133, 7.5020, 88.4831**, and the grayscale version is **57.1648, 60.1418, 65.4944**.

A 20% lighter version of the original color is **78.6088, 93.3811, 24.2372**, and **28.0863, 41.8135, 6.5905** is the 20% darker color. If you saturate the color by 10%, you get **55.2527, 77.8614, 12.1166**, and if you desaturate by 10%, it is **56.8297, 78.6544, 13.0914**.

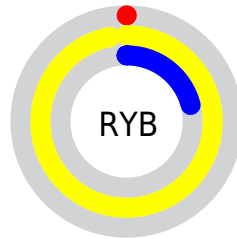
Distribution



Red (76%)

Green (97%)

Blue (0%)



Red (0%)

Yellow (97%)

Blue (21%)

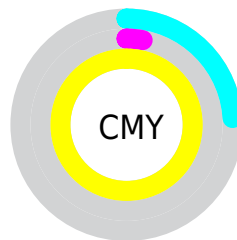


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (24%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2531, 77.8590, 12.1161 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 55.2531, 77.8590, 12.1161 by changing the saturation by 10% instead.


 55.2531, 77.8590,
12.1161


 55.2531, 77.8590,
12.1161


396.9915,
487.6878, 216.1775


 39.8390, 57.9582,
6.6993


 97.0578, 130.3513,
30.3739

 27.5967, 41.7750,
3.1992


 124.1793,
163.7116, 44.0521


 18.1608, 28.9252,
1.1972


 155.9338,
202.3272, 61.3210

 11.1659, 19.0242,
0.0000

 192.6869,
246.5824, 82.5994

 6.2466, 11.6878,
0.0000

 234.8038,
296.8617, 108.3057

 3.0377, 6.5315,
0.0000

 282.6500,

 1.1737, 3.1708,

353.5494, 138.8584

0.0000

336.5908,
417.0300, 174.6762

■ 0.0855, 1.2216,
0.0000

■ 0.0000, 0.0792,
0.0000

■ 55.2531, 77.8590,
12.1161

■ 55.2531, 77.8590,
12.1161

■ 55.2527, 77.8614,
12.1166

■ 56.8297, 78.6544,
13.0914

■ 58.6738, 79.5599,
15.2185

■ 60.8553, 80.6063,
18.8540

■ 63.4154, 81.8101,
24.2124

■ 66.3886, 83.1853,
31.4734

■ 69.8054, 84.7439,
40.7943

■ 73.6930, 86.4970,
52.3161

■ 78.0762, 88.4546,
66.1671

■ 82.9780, 90.6259,
82.4661

Harmonies

Analogous

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



77.3981, 77.8590, 8.8446



55.2531, 77.8590, 12.1161



41.4329, 77.8590, 29.4235

Triad

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



55.2531, 77.8590, 12.1161



50.6210, 77.8590, 252.8738



131.6518, 77.8590, 94.7197

Complementary

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



55.2531, 77.8590, 12.1161



18.3133, 7.5020, 88.4831

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.



120.2950, 77.8590, 185.0662



55.2531, 77.8590, 12.1161



70.7080, 77.8590, 303.1748

Square

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



55.2531, 77.8590, 12.1161



39.2020, 77.8590, 158.5260



96.5760, 77.8590, 273.2473



124.9787, 77.8590, 38.4020

Rectangle

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



55.2531, 77.8590, 12.1161



37.0625, 77.8590, 56.0186



96.5760, 77.8590, 273.2473



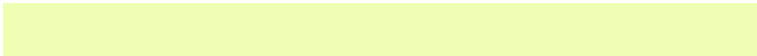
129.7599, 77.8590, 121.9954

Sweetspot

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



55.2549, 77.8625, 12.1177



79.1973, 92.9786, 56.1557



39.6581, 22.3715, 2.2289



16.5604, 19.7254, 10.8376



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.



55.2549, 77.8625, 12.1177



59.3763, 83.6947, 13.0252



35.7893, 67.8276, 11.2068



17.5394, 19.1201, 17.5637



29.3459, 41.2412, 6.4137



2.6649, 3.6688, 0.5677

Inverse Universe

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



18.3133, 7.5020, 88.4831



19.6676, 8.0539, 95.1257



34.9283, 16.0673, 89.2607



15.9199, 16.1014, 20.8114



9.7817, 4.0170, 46.7978



0.9438, 0.3964, 4.1170

Previews

White Background



This preview shows how the XYZ color 55.2531, 77.8590, 12.1161 looks on a white background.

Color Contrast Check

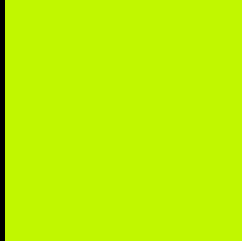
Large Text (above 18pt) WCAG AA × Fail

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 55.2531, 77.8590, 12.1161 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 55.2531, 77.8590, 12.1161

Background



This preview shows how black text looks on a background with the XYZ color 55.2531, 77.8590, 12.1161.

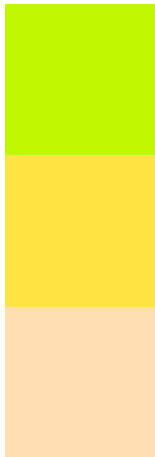


This preview shows how white text looks on a background with the XYZ color 55.2531, 77.8590,

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

55.2531, 77.8590, 12.1161

Protanopia

69.9965, 77.1521, 16.5128

Deuteranopia

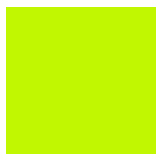
75.6636, 77.2497, 53.0423



Tritanopia

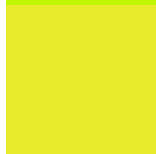
72.9716, 77.6671, 99.9522

Trichromacy



Original Color

55.2531, 77.8590, 12.1161



Protanomaly

63.4231, 76.7469, 13.7564



Deuteranomaly

65.1160, 76.0613, 26.8721



Tritanomaly

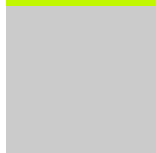
61.6206, 75.5813, 43.6887

Monochromacy



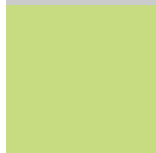
Original Color

55.2531, 77.8590, 12.1161



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.8472, 64.3901, 30.4121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2531, 77.8590, 12.1161 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(193, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 247, 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(193, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.2531, 77.8590, 12.1161 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(193, 247, 0) }
```


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

```
.border{ border-color:rgb(193, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2531, 77.8590, 12.1161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 247, 0) }
```

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

```
.background{ background-color: rgb(193,  
247, 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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