

Converting Colors

XYZ(54.7145, 81.2914, 12.8071)

Have a look what the booklet for
XYZ(54.7145, 81.2914, 12.8071)
contains.

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Color

**XYZ(54.8161, 81.3438,
12.8118)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FF00
RGB	181, 255, 0
RGB Percent	71%, 100%, 0%
CMY	0.2902, 0.0000, 0.9998
CMYK	0.29, 0.00, 1.00, 0.00
HSL	77°, 100%, 50%
HSV	77°, 100%, 100%
XYZ	54.8161, 81.3438, 12.8118
YIQ	203.8040, 37.7510, -94.9930

Conversions

Conversions Part 2

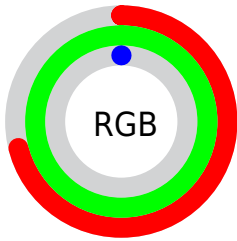
Format	Color
RYB	0, 255, 74
Decimal	11927296
CIELab	92.28, -50.55, 88.69
CIELCh	92, 102.088, 119.682
Yxy	81.3438, 0.3680, 0.5460
Android (android.graphics.Color)	4290117376 (0xFFB5FF00)
YUV	203.8040, -100.4754, -19.9991
Hunter-Lab	90.1908, -49.3453, 54.7113

Details

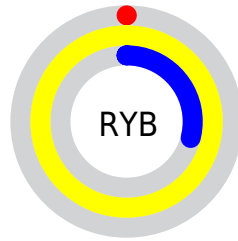
The XYZ color **54.8161, 81.3438, 12.8118** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **20.8775, 8.6783, 95.1824**, and the grayscale version is **57.8714, 60.8852, 66.3040**.

A 20% lighter version of the original color is **74.3983, 91.2054, 24.2729**, and **28.0792, 44.4531, 7.1004** is the 20% darker color. If you saturate the color by 10%, you get **54.8133, 81.3423, 12.8117**, and if you desaturate by 10%, it is **56.7792, 82.3349, 13.8501**.

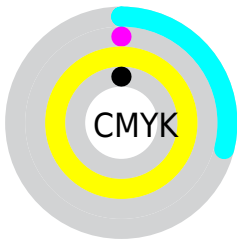
Distribution



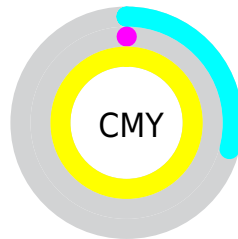
- Red (71%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (29%)



- Cyan (29%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8161, 81.3438, 12.8118 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 54.8161, 81.3438, 12.8118 by changing the saturation by 10% instead.


 54.8161, 81.3438,
12.8118


 54.8161, 81.3438,
12.8118


395.3622,
499.4501, 220.8733

 39.4878, 60.8248,
7.1699


 96.4214, 135.2534,
31.6515


 27.3218, 44.0838,
3.4885


 123.4290,
169.4128, 45.6863


 17.9529, 30.7364,
1.3492

 155.0604,
208.8877, 63.3559


 11.0157, 20.3982,
0.1016

 191.6810,
254.0627, 85.0787

 6.1447, 12.6848,
0.0000

 233.6562,
305.3220, 111.2733

 2.9748, 7.2119,
0.0000

 281.3512,

 1.1404, 3.5950,

363.0501, 142.3582

0.0000

335.1314,
427.6313, 178.7520

■ 0.0585, 1.4497,
0.0000

■ 0.0000, 0.2529,
0.0000

■ 54.8161, 81.3438,
12.8118

■ 54.8161, 81.3438,
12.8118

■ 54.8133, 81.3423,
12.8117

■ 56.7792, 82.3349,
13.8501

■ 59.0718, 83.4686,
16.1342

■ 61.7673, 84.7744,
20.0438

■ 64.9109, 86.2706,
25.8113

■ 68.5411, 87.9727,
33.6314

■ 72.6913, 89.8942,
43.6741

■ 77.3917, 92.0474,
56.0919

■ 82.6700, 94.4434,
71.0237

■ 88.5516, 97.0926,
88.5978

Harmonies

Analogous

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



77.5970, 81.3438, 8.2443



54.8161, 81.3438, 12.8118



41.2697, 81.3438, 33.6082

Triad

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



54.8161, 81.3438, 12.8118



54.4289, 81.3438, 282.5067



139.9505, 81.3438, 89.3792

Complementary

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



54.8161, 81.3438, 12.8118



20.8775, 8.6783, 95.1824

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.



129.8971, 81.3438, 184.0212



54.8161, 81.3438, 12.8118



77.0333, 81.3438, 327.7832

Square

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



54.8161, 81.3438, 12.8118



41.0845, 81.3438, 181.7541



105.2552, 81.3438, 284.2594



130.2959, 81.3438, 34.3463

Rectangle

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



54.8161, 81.3438, 12.8118



37.3734, 81.3438, 65.0110



105.2552, 81.3438, 284.2594



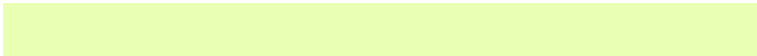
138.7366, 81.3438, 117.2259

Sweetspot

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



54.8161, 81.3438, 12.8129



77.3840, 92.0439, 56.0708



43.5756, 25.9309, 2.7096



16.1245, 19.5007, 10.8172



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.



54.8161, 81.3438, 12.8129



54.8133, 81.3423, 12.8117



37.3512, 72.3403, 11.9956



19.0175, 20.8104, 19.1588



28.7967, 42.5833, 6.7017



2.9124, 4.2022, 0.6576

Inverse Universe

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



20.8775, 8.6783, 95.1824



20.8750, 8.6763, 95.1822



41.8054, 19.4670, 96.1619



17.4983, 17.6331, 22.7312



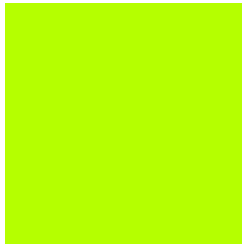
11.0351, 4.5993, 49.7407



1.1773, 0.5008, 4.8479

Previews

White Background



This preview shows how the XYZ color 54.8161, 81.3438, 12.8118 looks on a white background.

Color Contrast Check

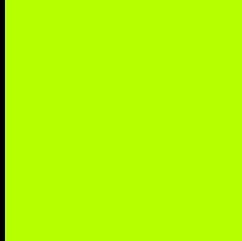
Large Text (above 18pt) WCAG AA × Fail

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 54.8161, 81.3438, 12.8118 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 54.8161, 81.3438, 12.8118

Background



This preview shows how black text looks on a background with the XYZ color 54.8161, 81.3438, 12.8118.



This preview shows how white text looks on a background with the XYZ color 54.8161, 81.3438,

Color Blindness Simulation

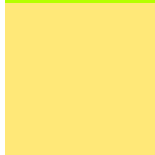
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



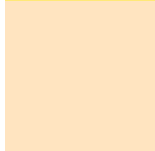
Original Color

54.8161, 81.3438, 12.8118



Protanopia

73.4868, 80.3293, 29.4012



Deuteranopia

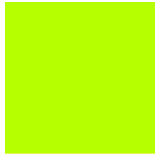
78.4978, 80.5526, 61.2801



Tritanopia

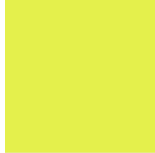
73.7878, 80.9102, 106.3359

Trichromacy



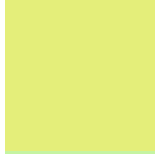
Original Color

54.8161, 81.3438, 12.8118



Protanomaly

64.4595, 79.3360, 18.7535



Deuteranomaly

66.0823, 79.0482, 30.1873



Tritanomaly

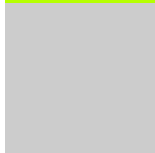
61.8982, 79.1803, 46.2034

Monochromacy



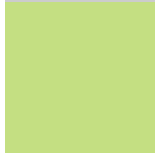
Original Color

54.8161, 81.3438, 12.8118



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.1819, 66.1228, 31.0791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8161, 81.3438, 12.8118 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(181, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 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(181, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 54.8161, 81.3438, 12.8118 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(181, 255, 0) }
```


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

```
.border{ border-color:rgb(181, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8161, 81.3438, 12.8118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 0) }
```

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

```
.background{ background-color: rgb(181,  
255, 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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