

Converting Colors

XYZ(55.0028, 81.4401, 12.8206)

Have a look what the booklet for
XYZ(55.0028, 81.4401, 12.8206)
contains.

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Color

**XYZ(55.0514, 81.4651,
12.8228)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FF00
RGB	182, 255, 0
RGB Percent	71%, 100%, 0%
CMY	0.2863, 0.0000, 0.9998
CMYK	0.29, 0.00, 1.00, 0.00
HSL	77°, 100%, 50%
HSV	77°, 100%, 100%
XYZ	55.0514, 81.4651, 12.8228
YIQ	204.1030, 38.3470, -94.7810

Conversions

Conversions Part 2

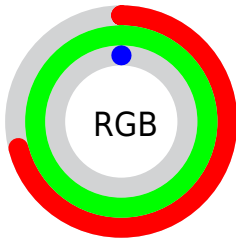
Format	Color
RYB	0, 255, 73
Decimal	11992832
CIELab	92.34, -50.19, 88.76
CIELCh	92, 101.965, 119.487
Yxy	81.4651, 0.3686, 0.5455
Android (android.graphics.Color)	4290182912 (0xFFB6FF00)
YUV	204.1030, -100.6228, -19.3843
Hunter-Lab	90.2580, -49.0784, 54.7574

Details

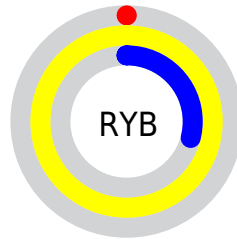
The XYZ color **55.0514, 81.4651, 12.8228** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **20.8011, 8.6389, 95.1789**, and the grayscale version is **58.0620, 61.0857, 66.5224**.

A 20% lighter version of the original color is **74.7425, 91.3828, 24.2890**, and **28.2201, 44.5257, 7.1070** is the 20% darker color. If you saturate the color by 10%, you get **55.0486, 81.4636, 12.8227**, and if you desaturate by 10%, it is **57.0022, 82.4498, 13.8606**.

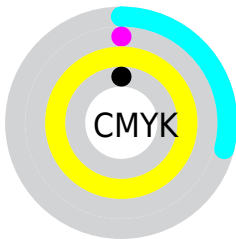
Distribution



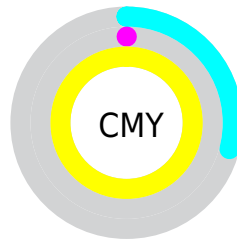
- Red (71%)
- Green (100%)
- Blue (0%)



- 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 55.0514, 81.4651, 12.8228 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 55.0514, 81.4651, 12.8228 by changing the saturation by 10% instead.


 55.0514, 81.4651,
12.8228

 55.0514, 81.4651,
12.8228


396.2400,
499.8567, 220.9467


 39.6769, 60.9247,
7.1773


 96.7641, 135.4236,
31.6716


 27.4698, 44.1644,
3.4931


 123.8331,
169.6106, 45.7120


 18.0648, 30.7998,
1.3516


 155.5309,
209.1152, 63.3878

 11.0965, 20.4464,
0.1035

 192.2229,
254.3218, 85.1175

 6.1995, 12.7200,
0.0000

 234.2744,
305.6149, 111.3197

 3.0086, 7.2360,
0.0000

 282.0509,

 1.1583, 3.6101,

363.3788, 142.4130

0.0000

335.9176,
427.9980, 178.8158

■ 0.0731, 1.4580,
0.0000

■ 0.0000, 0.2589,
0.0000

■ 55.0514, 81.4651,
12.8228

■ 55.0514, 81.4651,
12.8228

■ 55.0486, 81.4636,
12.8227

■ 57.0022, 82.4498,
13.8606

■ 59.2802, 83.5760,
16.1439

■ 61.9585, 84.8730,
20.0527

■ 65.0827, 86.3591,
25.8193

■ 68.6908, 88.0498,
33.6383

■ 72.8163, 89.9587,
43.6798

■ 77.4895, 92.0978,
56.0963

■ 82.7379, 94.4784,
71.0266

■ 88.5869, 97.1108,
88.5991

Harmonies

Analogous

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



77.8855, 81.4651, 8.3082



55.0514, 81.4651, 12.8228



41.4379, 81.4651, 33.5004

Triad

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



55.0514, 81.4651, 12.8228



54.4267, 81.4651, 281.9240



140.0292, 81.4651, 90.0097

Complementary

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



55.0514, 81.4651, 12.8228



20.8011, 8.6389, 95.1789

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.



129.8621, 81.4651, 184.7875



55.0514, 81.4651, 12.8228



76.9765, 81.4651, 327.6723

Square

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



55.0514, 81.4651, 12.8228



41.1391, 81.4651, 181.1343



105.1754, 81.4651, 284.7473



130.5047, 81.4651, 34.6922

Rectangle

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



55.0514, 81.4651, 12.8228



37.5008, 81.4651, 64.7488



105.1754, 81.4651, 284.7473



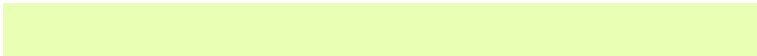
138.7721, 81.4651, 117.9345

Sweetspot

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



55.0514, 81.4651, 12.8239



77.4820, 92.0944, 56.0754



43.5756, 25.9308, 2.7096



16.1480, 19.5128, 10.8183



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.



55.0514, 81.4651, 12.8239



55.0486, 81.4636, 12.8227



37.3512, 72.3403, 11.9956



19.0247, 20.8142, 19.1592



28.9187, 42.6462, 6.7074



2.9235, 4.2079, 0.6581

Inverse Universe

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



20.8011, 8.6389, 95.1789



20.7986, 8.6369, 95.1786



41.8054, 19.4670, 96.1619



17.4914, 17.6296, 22.7309



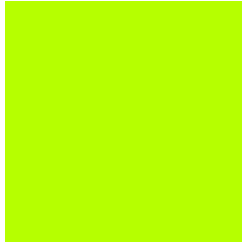
10.9939, 4.5780, 49.7388



1.1725, 0.4984, 4.8477

Previews

White Background



This preview shows how the XYZ color 55.0514, 81.4651, 12.8228 looks on a white background.

Color Contrast Check

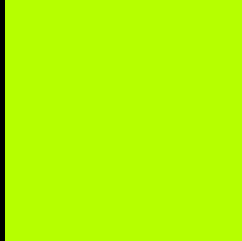
Large Text (above 18pt) WCAG AA × Fail

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 55.0514, 81.4651, 12.8228 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 55.0514, 81.4651, 12.8228

Background



This preview shows how black text looks on a background with the XYZ color 55.0514, 81.4651, 12.8228.



This preview shows how white text looks on a background with the XYZ color 55.0514, 81.4651,

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

55.0514, 81.4651, 12.8228

Protanopia

73.5478, 80.3537, 29.7226

Deuteranopia

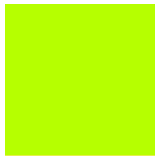
78.4978, 80.5526, 61.2801



Tritanopia

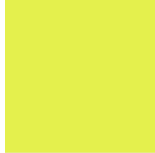
74.0663, 81.0538, 106.3490

Trichromacy



Original Color

55.0514, 81.4651, 12.8228



Protanomaly

64.4946, 79.3500, 18.9380



Deuteranomaly

66.0823, 79.0482, 30.1873



Tritanomaly

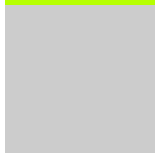
62.1610, 79.3158, 46.2157

Monochromacy



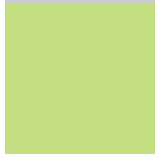
Original Color

55.0514, 81.4651, 12.8228



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 55.0514, 81.4651, 12.8228 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(182, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.0514, 81.4651, 12.8228 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(182, 255, 0) }
```


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

```
.border{ border-color:rgb(182, 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(182, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0514, 81.4651, 12.8228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 0) }
```

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

```
.background{ background-color: rgb(182,  
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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