

Converting Colors

XYZ(55.4494, 81.1979, 12.7503)

Have a look what the booklet for
XYZ(55.4494, 81.1979, 12.7503)
contains.

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Color

**XYZ(55.4494, 81.1979,
12.7503)**

Conversions

Conversions Part 1

Format	Color
Hex	B9FE00
RGB	185, 254, 0
RGB Percent	73%, 100%, 0%
CMY	0.2745, 0.0039, 0.9998
CMYK	0.27, 0.00, 1.00, 0.00
HSL	76°, 100%, 50%
HSV	76°, 100%, 100%
XYZ	55.4494, 81.1979, 12.7503
YIQ	204.4130, 40.4100, -93.6220

Conversions

Conversions Part 2

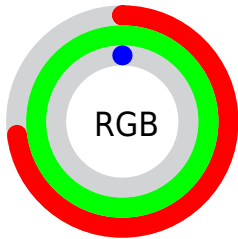
Format	Color
RYB	0, 254, 69
Decimal	12189184
CIELab	92.22, -48.68, 88.74
CIELCh	92, 101.212, 118.746
Yxy	81.1979, 0.3712, 0.5435
Android (android.graphics.Color)	4290379264 (0xFFB9FE00)
YUV	204.4130, -100.7756, -17.0252
Hunter-Lab	90.1099, -47.8517, 54.6875

Details

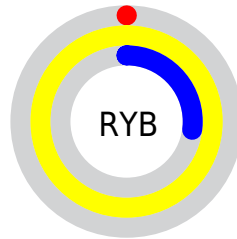
The XYZ color **55.4494, 81.1979, 12.7503** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **20.3483, 8.4239, 94.3242**, and the grayscale version is **58.2616, 61.2958, 66.7511**.

A 20% lighter version of the original color is **75.7864, 91.9210, 24.3378**, and **28.4237, 44.2925, 7.0512** is the 20% darker color. If you saturate the color by 10%, you get **55.4484, 81.2001, 12.7507**, and if you desaturate by 10%, it is **57.3371, 82.1529, 13.7800**.

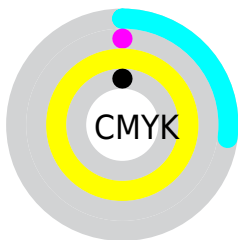
Distribution



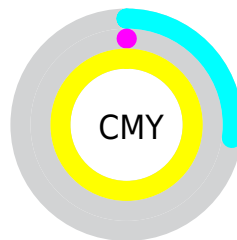
- Red (73%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (27%)



- Cyan (27%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4494, 81.1979, 12.7503 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 55.4494, 81.1979, 12.7503 by changing the saturation by 10% instead.


 55.4494, 81.1979,
12.7503

 55.4494, 81.1979,
12.7503


397.7220,
498.9607, 220.4625


 39.9969, 60.7046,
7.1281


 97.3436, 135.0486,
31.5390


 27.7203, 43.9868,
3.4627


 124.5160,
169.1748, 45.5427


 18.2543, 30.6601,
1.3355


 156.3257,
208.6141, 63.1772

 11.2335, 20.3402,
0.0906

 193.1381,
253.7509, 84.8612

 6.2926, 12.6426,
0.0000

 235.3186,
304.9695, 111.0132

 3.0661, 7.1829,
0.0000

 283.2325,

 1.1888, 3.5767,

362.6545, 142.0517

0.0000

337.2452,
427.1901, 178.3953

■ 0.0975, 1.4397,
0.0000

■ 0.0000, 0.2457,
0.0000

■ 55.4494, 81.1979,
12.7503

■ 55.4494, 81.1979,
12.7503

■ 55.4484, 81.2001,
12.7507

■ 57.3371, 82.1529,
13.7800

■ 59.5386, 83.2400,
16.0426

■ 62.1282, 84.4920,
19.9158

■ 65.1507, 85.9268,
25.6294

68.6437, 87.5596,
33.3763

72.6402, 89.4039,
43.3248

77.1699, 91.4714,
55.6261

82.2599, 93.7733,
70.4176

87.9353, 96.3196,
87.8264

Harmonies

Analogous

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



78.2805, 81.1979, 8.4765



55.4494, 81.1979, 12.7503



41.7038, 81.1979, 32.8024

Triad

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



55.4494, 81.1979, 12.7503



53.9362, 81.1979, 277.2552



139.0830, 81.1979, 91.5960

Complementary

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



55.4494, 81.1979, 12.7503



20.3483, 8.4239, 94.3242

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.



128.5805, 81.1979, 186.0343



55.4494, 81.1979, 12.7503



76.0823, 81.1979, 324.3550

Square

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



55.4494, 81.1979, 12.7503



40.9788, 81.1979, 177.2243



103.9452, 81.1979, 284.0541



130.1314, 81.1979, 35.6989

Rectangle

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



55.4494, 81.1979, 12.7503



37.6471, 81.1979, 63.2008



103.9452, 81.1979, 284.0541



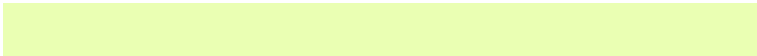
137.6751, 81.1979, 119.5650

Sweetspot

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



55.4513, 81.2015, 12.7520



77.8481, 92.2831, 56.0926



42.9283, 25.1778, 2.5984



16.2359, 19.5581, 10.8224



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.



55.4513, 81.2015, 12.7520



55.9399, 81.9231, 12.8644



37.2652, 71.8263, 11.9009



19.0516, 20.8280, 19.1604



29.3804, 42.8842, 6.7290



2.9654, 4.2295, 0.6601

Inverse Universe

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



20.3483, 8.4239, 94.3242



20.5247, 8.4957, 95.1658



40.3311, 18.7254, 95.2594



17.4661, 17.6165, 22.7297



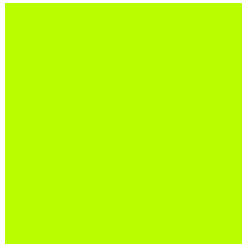
10.8459, 4.5018, 49.7319



1.1553, 0.4895, 4.8469

Previews

White Background



This preview shows how the XYZ color 55.4494, 81.1979, 12.7503 looks on a white background.

Color Contrast Check

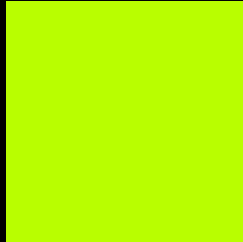
Large Text (above 18pt) WCAG AA × Fail

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 55.4494, 81.1979, 12.7503 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 55.4494, 81.1979, 12.7503

Background



This preview shows how black text looks on a background with the XYZ color 55.4494, 81.1979, 12.7503.

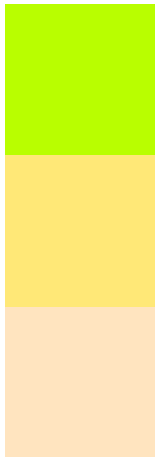


This preview shows how white text looks on a background with the XYZ color 55.4494, 81.1979,

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

55.4494, 81.1979, 12.7503

Protanopia

73.4264, 80.3051, 29.0832

Deuteranopia

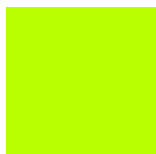
78.3874, 80.5084, 60.6984



Tritanopia

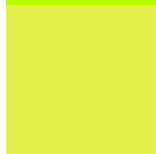
74.0579, 80.6208, 106.2658

Trichromacy



Original Color

55.4494, 81.1979, 12.7503



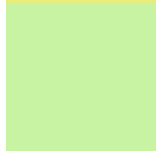
Protanomaly

65.0977, 79.6650, 18.7833



Deuteranomaly

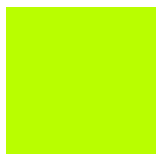
66.4302, 78.7965, 30.1204



Tritanomaly

62.3916, 78.9892, 46.1405

Monochromacy



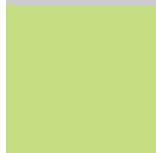
Original Color

55.4494, 81.1979, 12.7503



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.1765, 65.7246, 31.0025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4494, 81.1979, 12.7503 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(185, 254, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 254, 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(185, 254, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 254, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.4494, 81.1979, 12.7503 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(185, 254, 0) }
```


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

```
.border{ border-color:rgb(185, 254, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 254, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 254, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 254, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 254,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4494, 81.1979, 12.7503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 254, 0) }
```

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

```
.background{ background-color: rgb(185,  
254, 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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