

Converting Colors

XYZ(52.2281, 80.0096, 12.6908)

Have a look what the booklet for
XYZ(52.2281, 80.0096, 12.6908)
contains.

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Color

**XYZ(52.1222, 79.9550,
12.6857)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FF00
RGB	169, 255, 0
RGB Percent	66%, 100%, 0%
CMY	0.3373, 0.0000, 0.9998
CMYK	0.34, 0.00, 1.00, 0.00
HSL	80°, 100%, 50%
HSV	80°, 100%, 100%
XYZ	52.1222, 79.9550, 12.6857
YIQ	200.2160, 30.5990, -97.5370

Conversions

Conversions Part 2

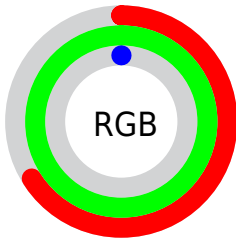
Format	Color
RYB	0, 255, 86
Decimal	11140864
CIELab	91.66, -54.81, 87.95
CIELCh	92, 103.630, 121.933
Yxy	79.9550, 0.3601, 0.5523
Android (android.graphics.Color)	4289330944 (0xFFA9FF00)
YUV	200.2160, -98.7065, -27.3764
Hunter-Lab	89.4176, -52.4317, 54.1808

Details

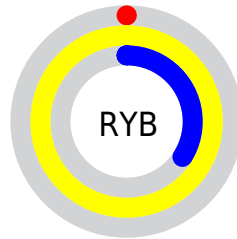
The XYZ color **52.1222, 79.9550, 12.6857** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **21.8918, 9.2011, 95.2299**, and the grayscale version is **55.6122, 58.5084, 63.7156**.

A 20% lighter version of the original color is **70.4135, 89.1511, 24.0864**, and **26.3784, 43.5763, 7.0208** is the 20% darker color. If you saturate the color by 10%, you get **52.1193, 79.9535, 12.6856**, and if you desaturate by 10%, it is **54.2100, 81.0104, 13.7299**.

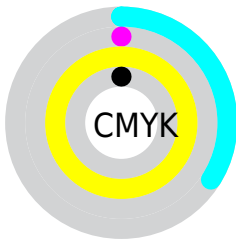
Distribution



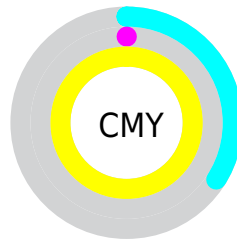
- Red (66%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (34%)



- Cyan (34%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1222, 79.9550, 12.6857 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 52.1222, 79.9550, 12.6857 by changing the saturation by 10% instead.


 52.1222, 79.9550,
12.6857

 52.1222, 79.9550,
12.6857


385.2244,
494.7812, 220.0300

 37.3272, 59.6813,
7.0843


 92.4846, 133.3025,
31.4208

 25.6357, 43.1618,
3.4356


 118.7826,
167.1450, 45.3916


 16.6826, 30.0121,
1.3211


 149.6457,
206.2794, 62.9893

 10.1023, 19.8478,
0.0790

 185.4393,
251.0899, 84.6325

 5.5296, 12.2844,
0.0000

 226.5285,
301.9609, 110.7396

 2.5992, 6.9377,
0.0000

 273.2789,

 0.9455, 3.4232,

359.2768, 141.7292

0.0000

326.0557,
423.4221, 178.0198

■ 0.0000, 1.3564,
0.0000

■ 0.0000, 0.1843,
0.0000

■ 52.1222, 79.9550,
12.6857

■ 52.1222, 79.9550,
12.6857

■ 52.1193, 79.9535,
12.6856

■ 54.2100, 81.0104,
13.7299

■ 56.6573, 82.2238,
16.0211

■ 59.5383, 83.6253,
19.9394

■ 62.8992, 85.2335,
25.7170

66.7792, 87.0644,
33.5487

71.2124, 89.1318,
43.6046

76.2299, 91.4484,
56.0371

81.8600, 94.0258,
70.9853

88.1288, 96.8746,
88.5774

Harmonies

Analogous

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



74.2902, 79.9550, 7.5203



52.1222, 79.9550, 12.6857



39.3422, 79.9550, 34.8984

Triad

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



52.1222, 79.9550, 12.6857



54.4702, 79.9550, 289.4980



139.0762, 79.9550, 82.2306

Complementary

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



52.1222, 79.9550, 12.6857



21.8918, 9.2011, 95.2299

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.



130.3511, 79.9550, 175.2536



52.1222, 79.9550, 12.6857



77.7253, 79.9550, 329.2014

Square

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



52.1222, 79.9550, 12.6857



40.4600, 79.9550, 189.1905



106.2285, 79.9550, 278.6771



127.9055, 79.9550, 30.4685

Rectangle

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



52.1222, 79.9550, 12.6857



35.9118, 79.9550, 68.1585



106.2285, 79.9550, 278.6771



138.3671, 79.9550, 109.1619

Sweetspot

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



52.1223, 79.9551, 12.6868



76.2219, 91.4447, 56.0165



44.4907, 27.7611, 3.0146



15.8462, 19.3572, 10.8042



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.



52.1223, 79.9551, 12.6868



52.1193, 79.9535, 12.6856



36.7370, 72.0236, 11.9668



18.9312, 20.7659, 19.1548



27.3991, 41.8628, 6.6363



2.7843, 4.1361, 0.6516

Inverse Universe

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



21.8918, 9.2011, 95.2299



21.8890, 9.1991, 95.2297



45.3480, 21.2933, 96.3276



17.5804, 17.6754, 22.7351



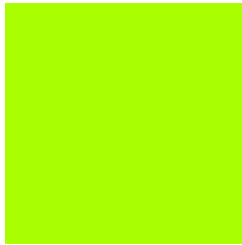
11.5792, 4.8798, 49.7662



1.2383, 0.5323, 4.8507

Previews

White Background



This preview shows how the XYZ color 52.1222, 79.9550, 12.6857 looks on a white background.

Color Contrast Check

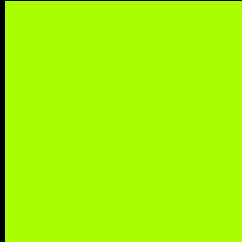
Large Text (above 18pt) WCAG AA × Fail

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 52.1222, 79.9550, 12.6857 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 52.1222, 79.9550, 12.6857

Background



This preview shows how black text looks on a background with the XYZ color 52.1222, 79.9550, 12.6857.

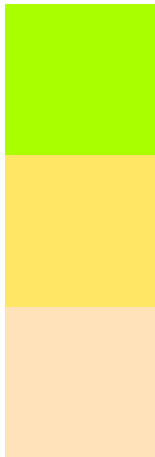


This preview shows how white text looks on a background with the XYZ color 52.1222, 79.9550,

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

52.1222, 79.9550, 12.6857

Protanopia

71.8371, 78.7737, 23.4752

Deuteranopia

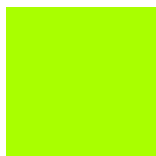
77.0281, 78.6556, 57.5766



Tritanopia

71.0991, 79.5241, 106.2101

Trichromacy



Original Color

52.1222, 79.9550, 12.6857



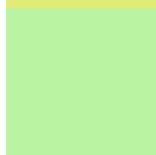
Protanomaly

62.5324, 77.9505, 16.6006



Deuteranomaly

64.0059, 77.1462, 28.6568



Tritanomaly

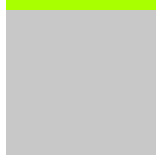
59.1220, 77.7491, 46.0734

Monochromacy



Original Color

52.1222, 79.9550, 12.6857



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.4102, 63.5375, 29.6857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1222, 79.9550, 12.6857 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(169, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 52.1222, 79.9550, 12.6857 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(169, 255, 0) }
```


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

```
.border{ border-color:rgb(169, 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(169, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1222, 79.9550, 12.6857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 0) }
```

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

```
.background{ background-color: rgb(169,  
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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