

Converting Colors

XYZ(52.2867, 79.8303, 22.1599)

Have a look what the booklet for
XYZ(52.2867, 79.8303, 22.1599)
contains.

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Color

**XYZ(52.2611, 79.8183,
22.1032)**

Conversions

Conversions Part 1

Format	Color
Hex	A1FF59
RGB	161, 255, 89
RGB Percent	63%, 100%, 35%
CMY	0.3686, 0.0000, 0.6510
CMYK	0.37, 0.00, 0.65, 0.00
HSL	94°, 100%, 67%
HSV	94°, 65%, 100%
XYZ	52.2611, 79.8183, 22.1032
YIQ	207.9700, -2.7380, -71.5540

Conversions

Conversions Part 2

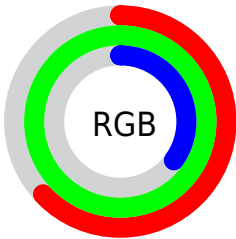
Format	Color
RYB	89, 255, 183
Decimal	10616665
CIELab	91.60, -54.19, 67.98
CIElCh	92, 86.933, 128.557
Yxy	79.8183, 0.3390, 0.5177
Android (android.graphics.Color)	4288806745 (0xFFA1FF59)
YUV	207.9700, -58.6522, -41.1927
Hunter-Lab	89.3411, -51.9313, 47.8703

Details

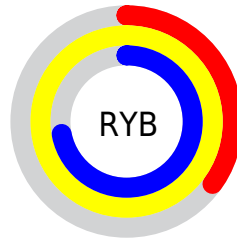
The XYZ color **52.2611, 79.8183, 22.1032** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **41.1525, 24.4336, 97.1549**, and the grayscale version is **60.3044, 63.4449, 69.0915**.

A 20% lighter version of the original color is **70.4635, 88.8110, 40.6225**, and **25.8384, 43.2789, 7.8560** is the 20% darker color. If you saturate the color by 10%, you get **48.6252, 78.0470, 17.2788**, and if you desaturate by 10%, it is **56.6043, 81.9114, 28.8979**.

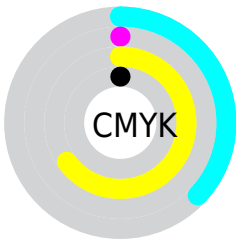
Distribution



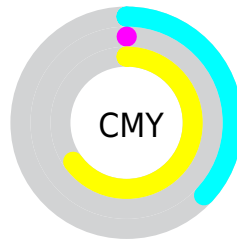
- Red (63%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (72%)



- Cyan (37%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2611, 79.8183, 22.1032 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 52.2611, 79.8183, 22.1032 by changing the saturation by 10% instead.


 52.2611, 79.8183,
22.1032


 52.2611, 79.8183,
22.1032


385.7512,
494.3203, 276.0558

 37.4383, 59.5688,
13.7337


 92.6881, 133.1102,
47.8209


 25.7223, 43.0712,
7.7991


 119.0231,
166.9215, 66.0061

 16.7476, 29.9410,
3.8807


 149.9263,
206.0222, 88.3004

 10.1489, 19.7938,
1.5601

 185.7629,
250.7966, 115.1222

 5.5608, 12.2452,
0.2621

226.8983,
301.6293, 146.8902

 2.6180, 6.9109,
0.0000

273.6979,

 0.9551, 3.4065,

358.9045, 184.0227

0.0000

326.5271,
423.0067, 226.9384

0.0000, 1.3474,
0.0000

0.0000, 0.1775,
0.0000

52.2611, 79.8183,
22.1032

52.2611, 79.8183,
22.1032

48.6252, 78.0470,
17.2788

56.6043, 81.9114,
28.8979

45.6444, 76.5751,
14.2089

61.6993, 84.3454,
37.8414

43.2572, 75.3769,
12.6336

67.5874, 87.1378,
49.0959

42.2650, 74.8735,
12.2244

74.3061, 90.3048,
62.8075

■ 81.8901, 93.8615,
79.1098

■ 90.3721, 97.8221,
98.1270

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



69.6927, 79.8183, 13.4305



52.2611, 79.8183, 22.1032



42.6830, 79.8183, 49.4600

Triad

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



52.2611, 79.8183, 22.1032



61.3142, 79.8183, 257.4318



126.3506, 79.8183, 69.9676

Complementary

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



52.2611, 79.8183, 22.1032



41.1525, 24.4336, 97.1549

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.



122.9011, 79.8183, 139.6586



52.2611, 79.8183, 22.1032



82.3912, 79.8183, 272.3471

Square

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



52.2611, 79.8183, 22.1032



47.1568, 79.8183, 187.4639



105.6814, 79.8183, 221.7281



114.3518, 79.8183, 30.8347

Rectangle

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



52.2611, 79.8183, 22.1032



40.7111, 79.8183, 83.8688



105.6814, 79.8183, 221.7281



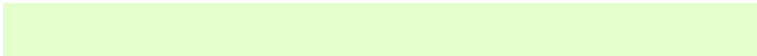
127.0000, 79.8183, 90.0209

Sweetspot

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



52.2613, 79.8184, 22.1044



78.0606, 92.0677, 70.7834



59.4258, 54.7461, 16.8873



16.2589, 19.4954, 14.1909



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.



52.2613, 79.8184, 22.1044



47.6945, 77.5897, 16.2168



42.0522, 74.5129, 23.5500



18.5189, 20.5534, 19.1355



22.2481, 39.2074, 6.3952



2.2887, 3.8806, 0.6284

Inverse Universe

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



41.1525, 24.4336, 97.1549



35.7741, 18.4636, 96.2861



61.5551, 35.1025, 91.2845



17.9875, 17.8853, 22.7541



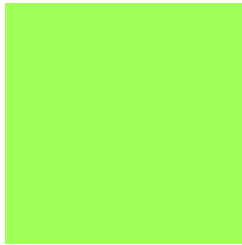
15.6526, 6.9797, 49.9568



1.6494, 0.7442, 4.8700

Previews

White Background



This preview shows how the XYZ color 52.2611, 79.8183, 22.1032 looks on a white background.

Color Contrast Check

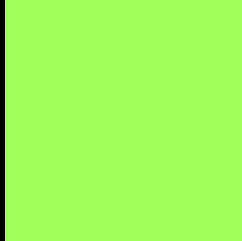
Large Text (above 18pt) WCAG AA × Fail

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 52.2611, 79.8183, 22.1032 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 52.2611, 79.8183, 22.1032

Background



This preview shows how black text looks on a background with the XYZ color 52.2611, 79.8183, 22.1032.

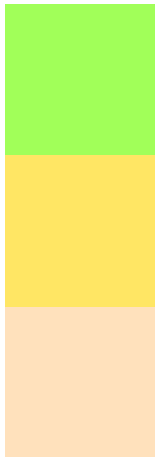


This preview shows how white text looks on a background with the XYZ color 52.2611, 79.8183,

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

52.2611, 79.8183, 22.1032

Protanopia

71.8371, 78.7737, 23.4752

Deuteranopia

77.2423, 78.7413, 58.7044



Tritanopia

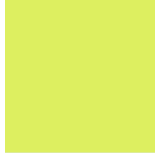
70.1104, 79.4454, 106.2470

Trichromacy



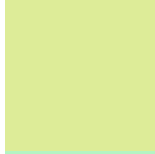
Original Color

52.2611, 79.8183, 22.1032



Protanomaly

62.7966, 77.9497, 22.8024



Deuteranomaly

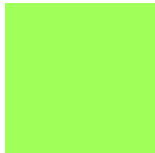
65.4817, 77.6301, 41.2386



Tritanomaly

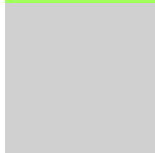
61.0234, 78.3448, 63.5355

Monochromacy



Original Color

52.2611, 79.8183, 22.1032



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2026, 67.6434, 45.7443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2611, 79.8183, 22.1032 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(161, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 89)  
}
```

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(161, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 89) }
```

Border

The CSS property to change the border of an element to XYZ 52.2611, 79.8183, 22.1032 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(161, 255, 89) }
```


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

```
.border{ border-color:rgb(161, 255, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2611, 79.8183, 22.1032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 89) }
```

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

```
.background{ background-color: rgb(161,  
255, 89) }
```

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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