

Converting Colors

XYZ(52.7959, 79.6786, 19.4613)

Have a look what the booklet for
XYZ(52.7959, 79.6786, 19.4613)
contains.

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Color

**XYZ(52.8948, 79.7303,
19.4391)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FE4C
RGB	168, 254, 76
RGB Percent	66%, 100%, 30%
CMY	0.3412, 0.0039, 0.7019
CMYK	0.34, 0.00, 0.70, 0.00
HSL	89°, 99%, 65%
HSV	89°, 70%, 100%
XYZ	52.8948, 79.7303, 19.4391
YIQ	207.9940, 5.8820, -73.5900

Conversions

Conversions Part 2

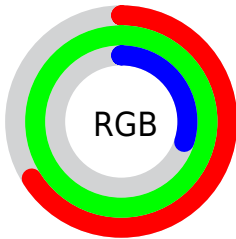
Format	Color
RYB	76, 254, 162
Decimal	11075148
CIELab	91.56, -52.37, 72.84
CIELCh	92, 89.708, 125.714
Yxy	79.7303, 0.3478, 0.5243
Android (android.graphics.Color)	4289265228 (0xFFA8FE4C)
YUV	207.9940, -65.0730, -35.0747
Hunter-Lab	89.2918, -50.5206, 49.5967

Details

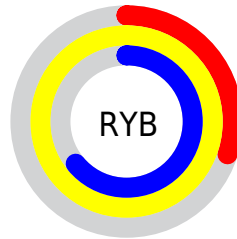
The XYZ color **52.8948, 79.7303, 19.4391** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **35.3778, 20.0085, 95.7679**, and the grayscale version is **60.3586, 63.5019, 69.1536**.

A 20% lighter version of the original color is **72.0580, 89.7352, 36.0770**, and **26.2729, 43.1837, 6.9506** is the 20% darker color. If you saturate the color by 10%, you get **49.6899, 78.1633, 15.5547**, and if you desaturate by 10%, it is **56.6985, 81.5707, 25.1731**.

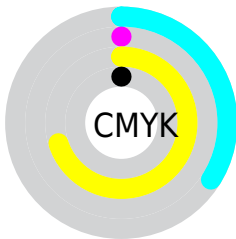
Distribution



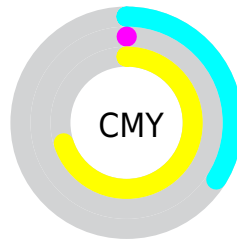
- Red (66%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (64%)



- Cyan (34%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8948, 79.7303, 19.4391 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 52.8948, 79.7303, 19.4391 by changing the saturation by 10% instead.


 52.8948, 79.7303,
19.4391


 52.8948, 79.7303,
19.4391


388.1489,
494.0235, 261.3653


 37.9459, 59.4964,
11.8080


 93.6160, 132.9865,
43.3213


 26.1178, 43.0129,
6.4921


 120.1190,
166.7776, 60.4095


 17.0449, 29.8952,
3.0730


 151.2042,
205.8566, 81.4870

 10.3620, 19.7591,
1.1320

 187.2368,
250.6078, 106.9726

 5.7037, 12.2200,
0.0000

 228.5822,
301.4158, 137.2847

 2.7047, 6.8937,
0.0000

275.6058,

 0.9996, 3.3957,

358.6647, 172.8418

0.0000

328.6729,
422.7392, 214.0624

■ 0.0000, 1.3416,
0.0000

■ 0.0000, 0.1731,
0.0000

■ 52.8948, 79.7303,
19.4391

■ 52.8948, 79.7303,
19.4391

■ 49.6899, 78.1633,
15.5547

■ 56.6985, 81.5707,
25.1731

■ 47.0276, 76.8384,
13.2840

■ 61.1385, 83.6922,
32.9448

■ 44.8463, 75.7344,
12.2546

■ 66.2550, 86.1143,
42.9248

■ 72.0828, 88.8515,
55.2645

■ 78.6538, 91.9174,
70.1019

■ 85.9979, 95.3245,
87.5641

■ 94.1430, 99.0847,
107.7699

■ 94.7335, 99.3671,
108.7945

Harmonies

Analogous

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



71.4858, 79.7303, 12.1140



52.8948, 79.7303, 19.4391



42.3416, 79.7303, 44.6227

Triad

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



52.8948, 79.7303, 19.4391



59.0905, 79.7303, 259.7138



128.5187, 79.7303, 74.8652

Complementary

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



52.8948, 79.7303, 19.4391



35.3778, 20.0085, 95.7679

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.



123.3637, 79.7303, 149.6204



52.8948, 79.7303, 19.4391



80.2454, 79.7303, 282.1809

Square

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



52.8948, 79.7303, 19.4391



45.3824, 79.7303, 183.0698



104.4680, 79.7303, 234.5348



117.4023, 79.7303, 32.0847

Rectangle

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



52.8948, 79.7303, 19.4391



39.8353, 79.7303, 77.7329



104.4680, 79.7303, 234.5348



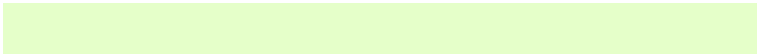
128.6545, 79.7303, 96.5734

Sweetspot

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



52.8967, 79.7338, 19.4408



78.7089, 92.4370, 69.2300



54.5904, 46.4150, 12.9204



16.4429, 19.5971, 13.8920



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.



52.8967, 79.7338, 19.4408



49.0128, 78.3062, 14.6109



40.2227, 73.2001, 18.8477



18.6671, 20.6298, 19.1424



23.8137, 40.0145, 6.4685



2.4448, 3.9611, 0.6357

Inverse Universe

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



35.3778, 20.0085, 95.7679



30.3896, 14.7482, 95.8527



59.2121, 32.2955, 96.8833



17.8383, 17.8084, 22.7471



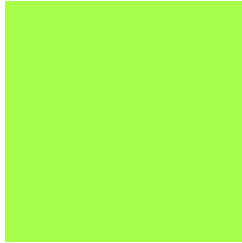
13.8860, 6.0690, 49.8741



1.4775, 0.6556, 4.8619

Previews

White Background



This preview shows how the XYZ color 52.8948, 79.7303, 19.4391 looks on a white background.

Color Contrast Check

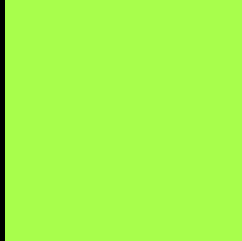
Large Text (above 18pt) WCAG AA × Fail

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 52.8948, 79.7303, 19.4391 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

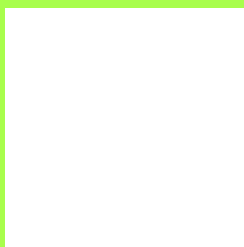
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8948, 79.7303, 19.4391

Background



This preview shows how black text looks on a background with the XYZ color 52.8948, 79.7303, 19.4391.



This preview shows how white text looks on a background with the XYZ color 52.8948, 79.7303,

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

52.8948, 79.7303, 19.4391

Protanopia

71.7889, 78.7545, 23.2218

Deuteranopia

77.1349, 78.6983, 58.1386



Tritanopia

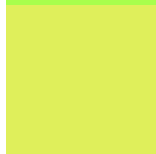
70.5823, 79.2577, 106.1859

Trichromacy



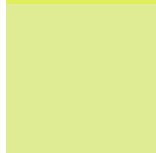
Original Color

52.8948, 79.7303, 19.4391



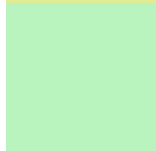
Protanomaly

63.1863, 78.1763, 21.6568



Deuteranomaly

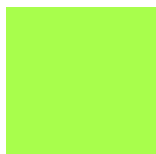
65.6933, 77.7855, 39.1555



Tritanomaly

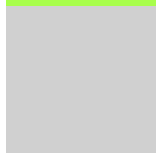
61.3524, 78.1332, 60.5628

Monochromacy



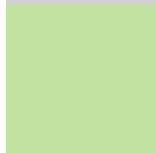
Original Color

52.8948, 79.7303, 19.4391



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2627, 67.7259, 43.4175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8948, 79.7303, 19.4391 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(168, 254, 76)` looks like.

```
.text, #text, p{  
    color:rgb(168, 254, 76)  
}
```

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(168, 254, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 254, 76) }
```

Border

The CSS property to change the border of an element to XYZ 52.8948, 79.7303, 19.4391 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(168, 254, 76) }
```


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

```
.border{ border-color:rgb(168, 254, 76) }
```

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

Here you see how a box with a 4 pixel rgb(168, 254, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 254, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 254, 76);  
box-shadow:4px 4px 4px 4px rgb(168, 254,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8948, 79.7303, 19.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 254, 76) }
```

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

```
.background{ background-color: rgb(168,  
254, 76) }
```

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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