

Converting Colors

XYZ(52.1415, 79.8471, 18.0122)

Have a look what the booklet for
XYZ(52.1415, 79.8471, 18.0122)
contains.

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Color

**XYZ(52.0830, 79.8178,
17.9715)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FF43
RGB	164, 255, 67
RGB Percent	64%, 100%, 26%
CMY	0.3569, 0.0000, 0.7372
CMYK	0.36, 0.00, 0.74, 0.00
HSL	89°, 100%, 63%
HSV	89°, 74%, 100%
XYZ	52.0830, 79.8178, 17.9715
YIQ	206.3590, 6.1120, -77.7600

Conversions

Conversions Part 2

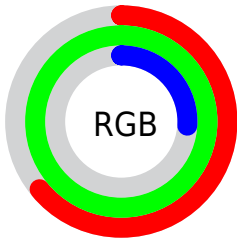
Format	Color
RYB	67, 255, 158
Decimal	10813251
CIELab	91.60, -54.65, 75.81
CIELCh	92, 93.458, 125.785
Yxy	79.8178, 0.3475, 0.5326
Android (android.graphics.Color)	4289003331 (0xFFA4FF43)
YUV	206.3590, -68.7040, -37.1488
Hunter-Lab	89.3408, -52.2863, 50.6120

Details

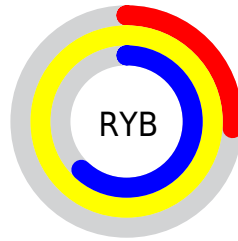
The XYZ color **52.0830, 79.8178, 17.9715** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **34.1596, 18.5050, 96.3792**, and the grayscale version is **59.3208, 62.4101, 67.9646**.

A 20% lighter version of the original color is **70.3312, 88.8996, 33.5312**, and **25.9030, 43.3312, 6.9985** is the 20% darker color. If you saturate the color by 10%, you get **49.0538, 78.3259, 14.6776**, and if you desaturate by 10%, it is **55.6963, 81.5718, 23.0513**.

Distribution



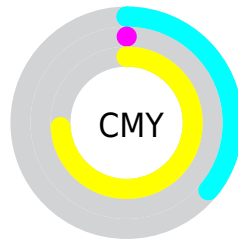
- Red (64%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (62%)



- Cyan (36%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0830, 79.8178, 17.9715 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 52.0830, 79.8178, 17.9715 by changing the saturation by 10% instead.


 52.0830, 79.8178,
17.9715


 52.0830, 79.8178,
17.9715


385.0756,
494.3186, 252.9411

 37.2958, 59.5684,
10.7603


 92.4271, 133.1095,
40.8020


 25.6113, 43.0709,
5.7938


 118.7148,
166.9207, 57.2585


 16.6642, 29.9407,
2.6533


 149.5666,
206.0212, 77.6337

 10.0892, 19.7936,
0.9198

 185.3479,
250.7956, 102.3463

 5.5209, 12.2451,
0.0000

 226.4241,
301.6281, 131.8148

 2.5939, 6.9108,
0.0000

273.1606,

 0.9428, 3.4064,

358.9032, 166.4577

0.0000

325.9226,
423.0052, 206.6936

■ 0.0000, 1.3474,
0.0000

■ 0.0000, 0.1775,
0.0000

■ 52.0830, 79.8178,
17.9715

■ 52.0830, 79.8178,
17.9715

■ 49.0538, 78.3259,
14.6776

■ 55.6963, 81.5718,
23.0513

■ 46.5533, 77.0733,
12.9135

■ 59.9391, 83.6070,
30.1205

■ 45.2077, 76.3905,
12.3621

■ 64.8521, 85.9403,
39.3586

■ 70.4714, 88.5870,
50.9245

■ 76.8303, 91.5610,
64.9618

■ 83.9597, 94.8755,
81.6029

■ 91.8886, 98.5425,
100.9704

■ 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.



71.3347, 79.8178, 10.7860



52.0830, 79.8178, 17.9715



41.2543, 79.8178, 43.4017

Triad

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



52.0830, 79.8178, 17.9715



58.5662, 79.8178, 270.1557



131.2500, 79.8178, 74.3292

Complementary

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



52.0830, 79.8178, 17.9715



34.1596, 18.5050, 96.3792

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.



125.8475, 79.8178, 152.6756



52.0830, 79.8178, 17.9715



80.5819, 79.8178, 294.0141

Square

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



52.0830, 79.8178, 17.9715



44.4115, 79.8178, 188.5558



105.9655, 79.8178, 242.9255



119.4798, 79.8178, 30.5081

Rectangle

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



52.0830, 79.8178, 17.9715



38.7032, 79.8178, 77.6085



105.9655, 79.8178, 242.9255



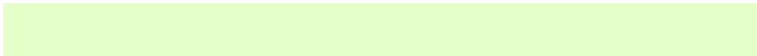
131.4080, 79.8178, 96.9222

Sweetspot

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



52.0831, 79.8178, 17.9727



78.0027, 92.1074, 67.6393



54.4581, 46.0749, 11.3344



16.3030, 19.5317, 13.5829



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.



52.0831, 79.8178, 17.9727



47.9232, 77.7624, 13.7527



39.3093, 73.2327, 17.3749



18.6655, 20.6290, 19.1423



23.7953, 40.0050, 6.4676



2.4430, 3.9602, 0.6356

Inverse Universe

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



34.1596, 18.5050, 96.3792



29.2145, 13.6874, 95.7099



60.1542, 31.9058, 97.5957



17.8399, 17.8092, 22.7472



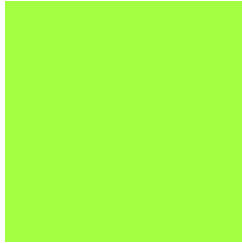
13.9030, 6.0777, 49.8749



1.4791, 0.6564, 4.8620

Previews

White Background



This preview shows how the XYZ color 52.0830, 79.8178, 17.9715 looks on a white background.

Color Contrast Check

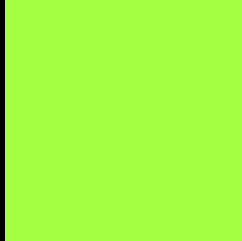
Large Text (above 18pt) WCAG AA × Fail

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 52.0830, 79.8178, 17.9715 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

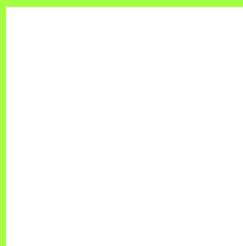
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.0830, 79.8178, 17.9715

Background



This preview shows how black text looks on a background with the XYZ color 52.0830, 79.8178, 17.9715.

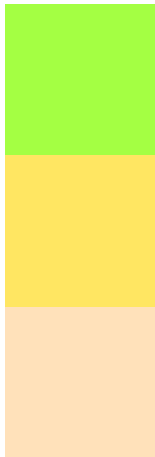


This preview shows how white text looks on a background with the XYZ color 52.0830, 79.8178,

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

52.0830, 79.8178, 17.9715

Protanopia

71.7414, 78.7355, 22.9716

Deuteranopia

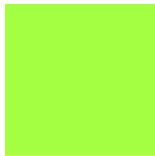
77.0281, 78.6556, 57.5766



Tritanopia

70.3265, 79.1258, 106.1740

Trichromacy



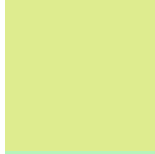
Original Color

52.0830, 79.8178, 17.9715



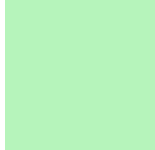
Protanomaly

62.7110, 77.9507, 20.7576



Deuteranomaly

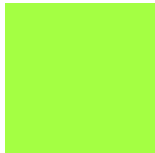
65.0776, 77.5037, 37.5164



Tritanomaly

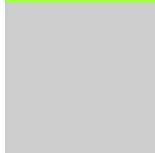
60.6117, 78.2343, 58.9199

Monochromacy



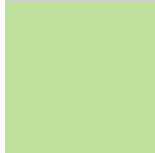
Original Color

52.0830, 79.8178, 17.9715



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.0579, 66.7542, 41.0460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0830, 79.8178, 17.9715 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(164, 255, 67)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 67)  
}
```

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(164, 255, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 67) }
```

Border

The CSS property to change the border of an element to XYZ 52.0830, 79.8178, 17.9715 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(164, 255, 67) }
```


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

```
.border{ border-color:rgb(164, 255, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 67);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0830, 79.8178, 17.9715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 67) }
```

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

```
.background{ background-color: rgb(164,  
255, 67) }
```

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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