

Converting Colors

XYZ(50.9975, 79.3730, 12.7332)

Have a look what the booklet for
XYZ(50.9975, 79.3730, 12.7332)
contains.

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Color

**XYZ(51.0918, 79.4213,
12.7519)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FF04
RGB	164, 255, 4
RGB Percent	64%, 100%, 2%
CMY	0.3569, 0.0000, 0.9842
CMYK	0.36, 0.00, 0.98, 0.00
HSL	82°, 100%, 51%
HSV	82°, 98%, 100%
XYZ	51.0918, 79.4213, 12.7519
YIQ	199.1770, 26.3350, -97.3530

Conversions

Conversions Part 2

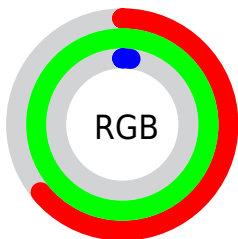
Format	Color
R_{YB}	4, 255, 95
Decimal	10813188
CIE _{Lab}	91.42, -56.49, 87.36
CIE _{LCh}	91, 104.037, 122.889
Yxy	79.4213, 0.3566, 0.5544
Android (android.graphics.Color)	4289003268 (0xFFA4FF04)
YUV	199.1770, -96.2223, -30.8502
Hunter-Lab	89.1186, -53.6234, 53.8993

Details

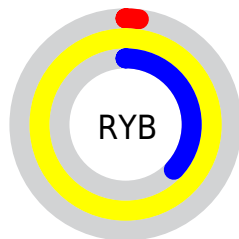
The XYZ color **51.0918, 79.4213, 12.7519** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **22.8174, 9.7428, 95.2857**, and the grayscale version is **54.9571, 57.8191, 62.9650**.

A 20% lighter version of the original color is **68.8769, 88.3538, 24.2503**, and **25.7876, 43.2717, 6.9931** is the 20% darker color. If you saturate the color by 10%, you get **50.7691, 79.2575, 12.6224**, and if you desaturate by 10%, it is **53.2766, 80.5237, 13.9324**.

Distribution



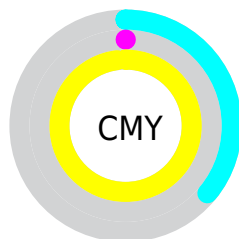
- Red (64%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (37%)



- Cyan (36%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0918, 79.4213, 12.7519 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 51.0918, 79.4213, 12.7519 by changing the saturation by 10% instead.


 51.0918, 79.4213,
12.7519


 51.0918, 79.4213,
12.7519


381.3021,
492.9804, 220.4731

 36.5030, 59.2423,
7.1292


 90.9726, 132.5518,
31.5420


 24.9948, 42.8082,
3.4634


 116.9954,
166.2721, 45.5464


 16.2019, 29.7346,
1.3358


 147.5602,
205.2748, 63.1819

 9.7589, 19.6373,
0.0909

 183.0324,
249.9445, 84.8669

 5.3004, 12.1316,
0.0000

 223.7773,
300.6655, 111.0200

 2.4612, 6.8334,
0.0000

 270.1603,

 0.8757, 3.3581,

357.8223, 142.0597

0.0000

322.5468,
421.7991, 178.4046

■ 0.0000, 1.3214,
0.0000

■ 0.0000, 0.1577,
0.0000

■ 51.0918, 79.4213,
12.7519

■ 51.0918, 79.4213,
12.7519

■ 50.7691, 79.2575,
12.6224

■ 53.2766, 80.5237,
13.9324

■ 55.8585, 81.8014,
16.4647

■ 58.9003, 83.2797,
20.6647

■ 62.4472, 84.9770,
26.7575

66.5380, 86.9091,
34.9334

71.2069, 89.0901,
45.3593

76.4850, 91.5326,
58.1855

82.4006, 94.2483,
73.5491

88.9801, 97.2480,
91.5769

Harmonies

Analogous

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



72.9524, 79.4213, 7.3164



51.0918, 79.4213, 12.7519



38.6501, 79.4213, 35.6158

Triad

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



51.0918, 79.4213, 12.7519



54.5925, 79.4213, 291.8527



138.5621, 79.4213, 79.3387

Complementary

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



51.0918, 79.4213, 12.7519



22.8174, 9.7428, 95.2857

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.



130.4414, 79.4213, 171.3367



51.0918, 79.4213, 12.7519



78.0808, 79.4213, 328.9305

Square

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



51.0918, 79.4213, 12.7519



40.3145, 79.4213, 192.1948



106.6252, 79.4213, 275.6399



126.7838, 79.4213, 29.0287

Rectangle

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



51.0918, 79.4213, 12.7519



35.4170, 79.4213, 69.6611



106.6252, 79.4213, 275.6399



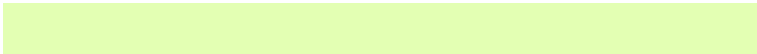
138.0728, 79.4213, 105.8006

Sweetspot

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



51.0919, 79.4213, 12.7530



75.6069, 91.1277, 55.9877



45.0785, 28.9017, 3.3187



15.6994, 19.2815, 10.7973



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.



51.0919, 79.4213, 12.7530



50.7691, 79.2575, 12.6224



36.7241, 72.0145, 12.0806



18.8850, 20.7421, 19.1526



26.6974, 41.5011, 6.6034



2.7192, 4.1026, 0.6486

Inverse Universe

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



22.8174, 9.7428, 95.2857



22.5103, 9.5194, 95.2587



46.8151, 22.1140, 96.4087



17.6248, 17.6983, 22.7371



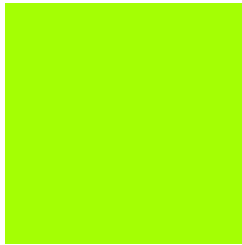
11.9106, 5.0506, 49.7817



1.2743, 0.5509, 4.8524

Previews

White Background



This preview shows how the XYZ color 51.0918, 79.4213, 12.7519 looks on a white background.

Color Contrast Check

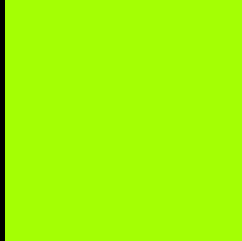
Large Text (above 18pt) WCAG AA × Fail

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 51.0918, 79.4213, 12.7519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

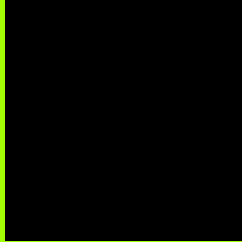
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0918, 79.4213, 12.7519

Background



This preview shows how black text looks on a background with the XYZ color 51.0918, 79.4213, 12.7519.



This preview shows how white text looks on a background with the XYZ color 51.0918, 79.4213,

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

51.0918, 79.4213, 12.7519

Protanopia

71.3823, 78.5918, 21.0803

Deuteranopia

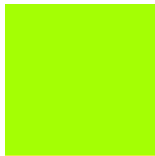
76.7125, 78.5293, 55.9142



Tritanopia

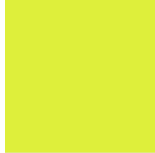
70.0724, 78.9948, 106.1621

Trichromacy



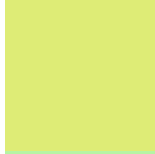
Original Color

51.0918, 79.4213, 12.7519



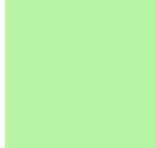
Protanomaly

61.7801, 77.5784, 15.8556



Deuteranomaly

63.3897, 76.8285, 28.6279



Tritanomaly

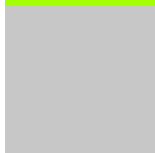
58.3429, 77.3268, 46.9725

Monochromacy



Original Color

51.0918, 79.4213, 12.7519



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.4775, 62.6607, 29.9091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0918, 79.4213, 12.7519 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 51.0918, 79.4213, 12.7519 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, 4) }
```


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

```
.border{ border-color:rgb(164, 255, 4) }
```

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, 4) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 51.0918, 79.4213, 12.7519 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, 4) }
```

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

```
.background{ background-color: rgb(164,  
255, 4) }
```

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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