

Converting Colors

XYZ(50.1019, 78.9085, 12.8199)

Have a look what the booklet for
XYZ(50.1019, 78.9085, 12.8199)
contains.

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Color

**XYZ(50.1019, 78.9085,
12.8199)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFF08
RGB	159, 255, 8
RGB Percent	62%, 100%, 3%
CMY	0.3765, 0.0000, 0.9685
CMYK	0.38, 0.00, 0.97, 0.00
HSL	83°, 100%, 52%
HSV	83°, 97%, 100%
XYZ	50.1019, 78.9085, 12.8199
YIQ	198.1380, 22.0710, -97.1690

Conversions

Conversions Part 2

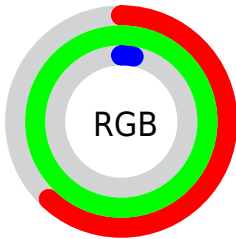
Format	Color
RYB	8, 255, 104
Decimal	10485512
CIELab	91.19, -58.14, 86.79
CIELCh	91, 104.462, 123.816
Yxy	78.9085, 0.3533, 0.5564
Android (android.graphics.Color)	4288675592 (0xFF9FFF08)
YUV	198.1380, -93.7380, -34.3240
Hunter-Lab	88.8305, -54.7762, 53.6247

Details

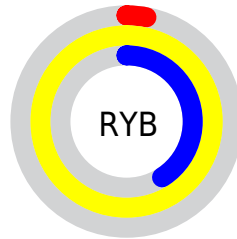
The XYZ color **50.1019, 78.9085, 12.8199** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **23.8507, 10.3399, 95.3465**, and the grayscale version is **54.3062, 57.1343, 62.2193**.

A 20% lighter version of the original color is **67.3408, 87.5619, 24.1784**, and **25.1238, 42.9296, 6.9621** is the 20% darker color. If you saturate the color by 10%, you get **49.4461, 78.5754, 12.5605**, and if you desaturate by 10%, it is **52.3854, 80.0581, 14.1704**.

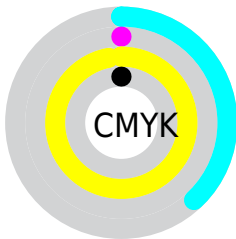
Distribution



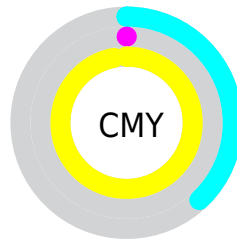
- Red (62%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (41%)



- Cyan (38%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1019, 78.9085, 12.8199 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 50.1019, 78.9085, 12.8199 by changing the saturation by 10% instead.


 50.1019, 78.9085,
12.8199


 50.1019, 78.9085,
12.8199


377.5097,
491.2467, 220.9273

 35.7125, 58.8206,
7.1754


 89.5168, 131.8300,
31.6663

 24.3813, 42.4687,
3.4919


 115.2729,
165.4325, 45.7052


 15.7430, 29.4685,
1.3510


 145.5487,
204.3085, 63.3794

 9.4322, 19.4355,
0.1030

 180.7095,
248.8425, 85.1073

 5.0835, 11.9854,
0.0000

 221.1207,
299.4190, 111.3075

 2.3316, 6.7337,
0.0000

 267.1475,

 0.8108, 3.2961,

356.4222, 142.3985

0.0000

319.1554,
420.2367, 178.7990

■ 0.0000, 1.2882,
0.0000

■ 0.0000, 0.1321,
0.0000

■ 50.1019, 78.9085,
12.8199

■ 50.1019, 78.9085,
12.8199

■ 49.4461, 78.5754,
12.5605

■ 52.3854, 80.0581,
14.1704

■ 55.1002, 81.3990,
16.9503

■ 58.3024, 82.9538,
21.4372

■ 62.0368, 84.7408,
27.8496

66.3419, 86.7760,
36.3736

71.2519, 89.0732,
47.1733

76.7981, 91.6455,
60.3965

83.0090, 94.5044,
76.1787

89.9114, 97.6612,
94.6452

Harmonies

Analogous

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



71.6649, 78.9085, 7.1224



50.1019, 78.9085, 12.8199



37.9854, 78.9085, 36.3330

Triad

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



50.1019, 78.9085, 12.8199



54.7185, 78.9085, 294.1838



138.0692, 78.9085, 76.5811

Complementary

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



50.1019, 78.9085, 12.8199



23.8507, 10.3399, 95.3465

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.



130.5390, 78.9085, 167.5690



50.1019, 78.9085, 12.8199



78.4373, 78.9085, 328.6787

Square

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



50.1019, 78.9085, 12.8199



40.1776, 78.9085, 195.1789



107.0230, 78.9085, 272.6998



125.7007, 78.9085, 27.6680

Rectangle

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



50.1019, 78.9085, 12.8199



34.9418, 78.9085, 71.1612



107.0230, 78.9085, 272.6998



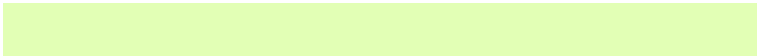
137.7943, 78.9085, 102.5855

Sweetspot

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



50.1020, 78.9085, 12.8210



75.5493, 91.0680, 57.3390



46.1052, 30.9199, 3.7689



15.6601, 19.2557, 11.0497



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.



50.1020, 78.9085, 12.8210



49.4461, 78.5754, 12.5605



36.5616, 71.9282, 12.1874



18.8375, 20.7177, 19.1504



26.0089, 41.1461, 6.5712



2.6548, 4.0694, 0.6455

Inverse Universe

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



23.8507, 10.3399, 95.3465



23.2093, 9.8797, 95.2915



49.5602, 23.5936, 96.5497



17.6708, 17.7220, 22.7393



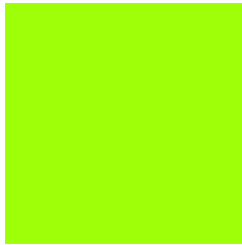
12.2821, 5.2421, 49.7991



1.3138, 0.5712, 4.8543

Previews

White Background



This preview shows how the XYZ color 50.1019, 78.9085, 12.8199 looks on a white background.

Color Contrast Check

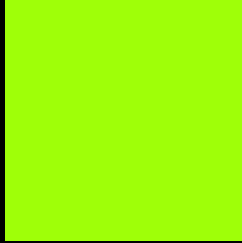
Large Text (above 18pt) WCAG AA × Fail

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 50.1019, 78.9085, 12.8199 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 50.1019, 78.9085, 12.8199

Background



This preview shows how black text looks on a background with the XYZ color 50.1019, 78.9085, 12.8199.

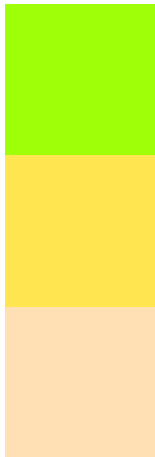


This preview shows how white text looks on a background with the XYZ color 50.1019, 78.9085,

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

50.1019, 78.9085, 12.8199

Protanopia

70.7073, 77.8778, 18.8947

Deuteranopia

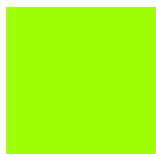
76.2361, 77.9075, 54.7356



Tritanopia

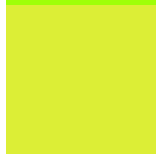
69.0732, 78.4797, 106.1153

Trichromacy



Original Color

50.1019, 78.9085, 12.8199



Protanomaly

60.7556, 76.6311, 15.0791



Deuteranomaly

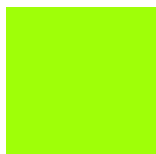
62.4935, 75.9403, 28.5037



Tritanomaly

57.2737, 76.7651, 47.3958

Monochromacy



Original Color

50.1019, 78.9085, 12.8199



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.0611, 62.4384, 30.2349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1019, 78.9085, 12.8199 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(159, 255, 8)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 8)  
}
```

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(159, 255, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 8) }
```

Border

The CSS property to change the border of an element to XYZ 50.1019, 78.9085, 12.8199 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(159, 255, 8) }
```


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

```
.border{ border-color:rgb(159, 255, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 8);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1019, 78.9085, 12.8199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 8) }
```

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

```
.background{ background-color: rgb(159,  
255, 8) }
```

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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