

Converting Colors

XYZ(51.9639, 79.8721, 12.9910)

Have a look what the booklet for
XYZ(51.9639, 79.8721, 12.9910)
contains.

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Color

**XYZ(51.9689, 79.8690,
12.9938)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FF0B
RGB	168, 255, 11
RGB Percent	66%, 100%, 4%
CMY	0.3412, 0.0000, 0.9567
CMYK	0.34, 0.00, 0.96, 0.00
HSL	81°, 100%, 52%
HSV	81°, 96%, 100%
XYZ	51.9689, 79.8690, 12.9938
YIQ	201.1710, 26.4720, -94.3280

Conversions

Conversions Part 2

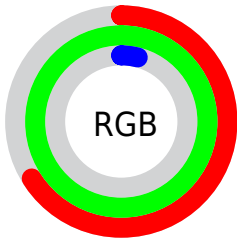
Format	Color
R _Y B	11, 255, 98
Decimal	11075339
CIE Lab	91.63, -55.05, 87.10
CIE LCh	92, 103.034, 122.295
Yxy	79.8690, 0.3588, 0.5515
Android (android.graphics.Color)	4289265419 (0xFFA8FF0B)
YUV	201.1710, -93.7543, -29.0910
Hunter-Lab	89.3695, -52.5977, 53.9382

Details

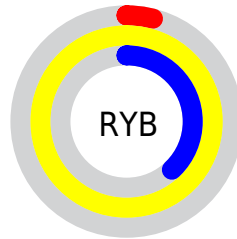
The XYZ color **51.9689, 79.8690, 12.9938** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **23.2111, 10.0589, 95.3259**, and the grayscale version is **56.1782, 59.1039, 64.3641**.

A 20% lighter version of the original color is **70.1844, 89.0225, 24.5503**, and **26.2575, 43.5140, 7.0151** is the 20% darker color. If you saturate the color by 10%, you get **51.0830, 79.4193, 12.6371**, and if you desaturate by 10%, it is **54.2394, 81.0088, 14.4899**.

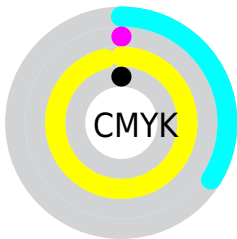
Distribution



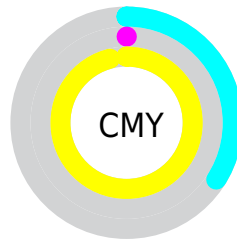
- Red (66%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (38%)



- Cyan (34%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9689, 79.8690, 12.9938 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 51.9689, 79.8690, 12.9938 by changing the saturation by 10% instead.


 51.9689, 79.8690,
12.9938


 51.9689, 79.8690,
12.9938


384.6425,
494.4912, 222.0844

 37.2045, 59.6106,
7.2936


 92.2599, 133.1815,
31.9837


 25.5402, 43.1048,
3.5652


 118.5171,
167.0044, 46.1104


 16.6109, 29.9674,
1.3900


 149.3360,
206.1176, 63.8831

 10.0510, 19.8138,
0.1339

 185.0819,
250.9054, 85.7202

 5.4953, 12.2598,
0.0000

 226.1201,
301.7523, 112.0404

 2.5784, 6.9209,
0.0000

 272.8160,

 0.9350, 3.4127,

359.0426, 143.2621

0.0000

325.5350,
423.1608, 179.8039

■ 0.0000, 1.3508,
0.0000

■ 0.0000, 0.1800,
0.0000

■ 51.9689, 79.8690,
12.9938

■ 51.9689, 79.8690,
12.9938

■ 51.0830, 79.4193,
12.6371

■ 54.2394, 81.0088,
14.4899

■ 56.9257, 82.3307,
17.4539

■ 60.0806, 83.8564,
22.1516

■ 63.7472, 85.6034,
28.7969

67.9629, 87.5868,
37.5730

72.7606, 89.8201,
48.6415

78.1705, 92.3156,
62.1489

84.2204, 95.0848,
78.2291

90.9359, 98.1381,
97.0066

Harmonies

Analogous

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



73.9059, 79.8690, 7.6733



51.9689, 79.8690, 12.9938



39.3598, 79.8690, 35.5047

Triad

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



51.9689, 79.8690, 12.9938



54.7414, 79.8690, 288.5948



138.4993, 79.8690, 81.2918

Complementary

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



51.9689, 79.8690, 12.9938



23.2111, 10.0589, 95.3259

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.



130.0780, 79.8690, 173.1953



51.9689, 79.8690, 12.9938



77.9563, 79.8690, 326.8642

Square

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



51.9689, 79.8690, 12.9938



40.6813, 79.8690, 189.5888



106.2708, 79.8690, 275.8822



127.1995, 79.8690, 30.2581

Rectangle

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



51.9689, 79.8690, 12.9938



36.0115, 79.8690, 68.9511



106.2708, 79.8690, 275.8822



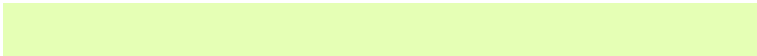
137.8789, 79.8690, 107.8684

Sweetspot

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



51.9690, 79.8690, 12.9949



76.3003, 91.4552, 57.3741



45.5223, 29.7276, 3.6564



15.8402, 19.3485, 11.0581



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.



51.9690, 79.8690, 12.9949



51.0830, 79.4193, 12.6371



37.0222, 72.1637, 12.2954



18.8959, 20.7478, 19.1531



26.8606, 41.5852, 6.6111



2.7344, 4.1104, 0.6493

Inverse Universe

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



23.2111, 10.0589, 95.3259



22.3581, 9.4409, 95.2516



47.2050, 22.4282, 96.4488



17.6143, 17.6929, 22.7366



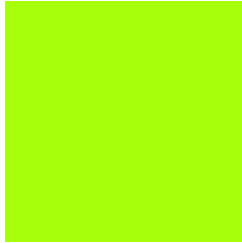
11.8295, 5.0088, 49.7779



1.2656, 0.5464, 4.8520

Previews

White Background



This preview shows how the XYZ color 51.9689, 79.8690, 12.9938 looks on a white background.

Color Contrast Check

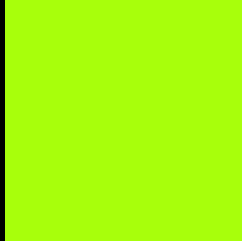
Large Text (above 18pt) WCAG AA × Fail

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 51.9689, 79.8690, 12.9938 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 51.9689, 79.8690, 12.9938

Background



This preview shows how black text looks on a background with the XYZ color 51.9689, 79.8690, 12.9938.



This preview shows how white text looks on a background with the XYZ color 51.9689, 79.8690,

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

51.9689, 79.8690, 12.9938

Protanopia

71.7414, 78.7355, 22.9716

Deuteranopia

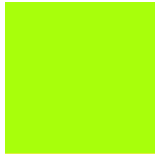
76.9222, 78.6132, 57.0186



Tritanopia

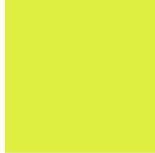
71.0991, 79.5241, 106.2101

Trichromacy



Original Color

51.9689, 79.8690, 12.9938



Protanomaly

62.2813, 77.8143, 16.8914



Deuteranomaly

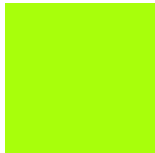
63.9397, 77.0840, 29.9211



Tritanomaly

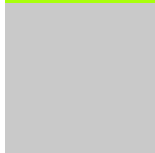
59.4833, 77.8936, 47.9763

Monochromacy



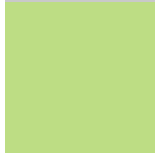
Original Color

51.9689, 79.8690, 12.9938



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.0076, 64.1977, 31.5328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9689, 79.8690, 12.9938 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, 255, 11)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 11)  
}
```

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, 255, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 11) }
```

Border

The CSS property to change the border of an element to XYZ 51.9689, 79.8690, 12.9938 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, 255, 11) }
```


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

```
.border{ border-color:rgb(168, 255, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 11);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9689, 79.8690, 12.9938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 11) }
```

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

```
.background{ background-color: rgb(168,  
255, 11) }
```

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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