

Converting Colors

XYZ(51.9264, 79.8464, 13.0230)

Have a look what the booklet for
XYZ(51.9264, 79.8464, 13.0230)
contains.

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Color

**XYZ(51.9748, 79.8714,
13.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FF0C
RGB	168, 255, 12
RGB Percent	66%, 100%, 5%
CMY	0.3412, 0.0000, 0.9528
CMYK	0.34, 0.00, 0.95, 0.00
HSL	81°, 100%, 52%
HSV	81°, 95%, 100%
XYZ	51.9748, 79.8714, 13.0252
YIQ	201.2850, 26.1510, -94.0170

Conversions

Conversions Part 2

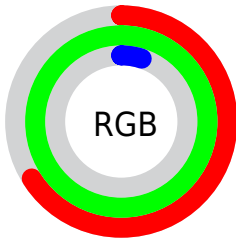
Format	Color
R _Y B	12, 255, 99
Decimal	11075340
CIE Lab	91.63, -55.04, 87.02
CIE LCh	92, 102.962, 122.313
Yxy	79.8714, 0.3588, 0.5513
Android (android.graphics.Color)	4289265420 (0xFFA8FF0C)
YUV	201.2850, -93.3175, -29.1909
Hunter-Lab	89.3708, -52.5898, 53.9184

Details

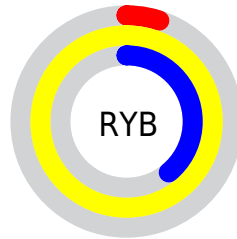
The XYZ color **51.9748, 79.8714, 13.0252** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **23.3315, 10.1385, 95.3350**, and the grayscale version is **56.2467, 59.1759, 64.4426**.

A 20% lighter version of the original color is **70.2308, 89.0411, 24.7944**, and **26.2575, 43.5140, 7.0151** is the 20% darker color. If you saturate the color by 10%, you get **51.0058, 79.3795, 12.6335**, and if you desaturate by 10%, it is **54.2636, 81.0194, 14.5730**.

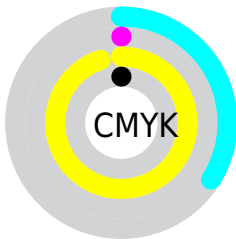
Distribution



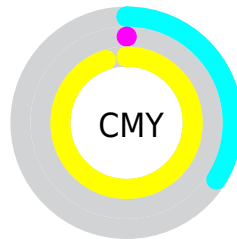
- Red (66%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (39%)



- Cyan (34%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9748, 79.8714, 13.0252 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 51.9748, 79.8714, 13.0252 by changing the saturation by 10% instead.


 51.9748, 79.8714,
13.0252

 51.9748, 79.8714,
13.0252


384.6649,
494.4993, 222.2926

 37.2092, 59.6125,
7.3150


 92.2685, 133.1849,
32.0409


 25.5439, 43.1064,
3.5784


 118.5273,
167.0083, 46.1835


 16.6136, 29.9686,
1.3970


 149.3479,
206.1221, 63.9739

 10.0530, 19.8148,
0.1394

 185.0956,
250.9106, 85.8307

 5.4966, 12.2605,
0.0000

 226.1358,
301.7581, 112.1724

 2.5792, 6.9213,
0.0000

 272.8339,

 0.9354, 3.4129,

359.0492, 143.4176

0.0000

325.5551,
423.1681, 179.9848

■ 0.0000, 1.3509,
0.0000

■ 0.0000, 0.1801,
0.0000

■ 51.9748, 79.8714,
13.0252

■ 51.9748, 79.8714,
13.0252

■ 51.0058, 79.3795,
12.6335

■ 54.2636, 81.0194,
14.5730

■ 56.9715, 82.3512,
17.6005

■ 60.1509, 83.8879,
22.3710

■ 63.8449, 85.6472,
29.0969

68.0903, 87.6440,
37.9601

72.9202, 89.8919,
49.1220

78.3646, 92.4030,
62.7281

84.4512, 95.1889,
78.9123

91.2058, 98.2600,
97.7984

Harmonies

Analogous

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



73.8940, 79.8714, 7.6941



51.9748, 79.8714, 13.0252



39.3765, 79.8714, 35.5538

Triad

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



51.9748, 79.8714, 13.0252



54.7676, 79.8714, 288.4503



138.4497, 79.8714, 81.2549

Complementary

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



51.9748, 79.8714, 13.0252



23.3315, 10.1385, 95.3350

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.



130.0475, 79.8714, 173.0623



51.9748, 79.8714, 13.0252



77.9733, 79.8714, 326.6244

Square

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



51.9748, 79.8714, 13.0252



40.7079, 79.8714, 189.5676



106.2670, 79.8714, 275.6530



127.1492, 79.8714, 30.2669

Rectangle

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



51.9748, 79.8714, 13.0252



36.0327, 79.8714, 69.0033



106.2670, 79.8714, 275.6530



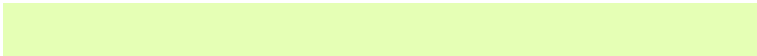
137.8339, 79.8714, 107.8041

Sweetspot

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



51.9749, 79.8714, 13.0263



76.2657, 91.4374, 57.3725



45.5881, 29.8496, 3.7078



15.8319, 19.3442, 11.0577



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.



51.9749, 79.8714, 13.0263



51.0058, 79.3795, 12.6335



37.0683, 72.1868, 12.3287



18.8933, 20.7464, 19.1530



26.8205, 41.5645, 6.6092



2.7307, 4.1085, 0.6491

Inverse Universe

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



23.3315, 10.1385, 95.3350



22.3951, 9.4600, 95.2533



47.2617, 22.4750, 96.4549



17.6168, 17.6942, 22.7368



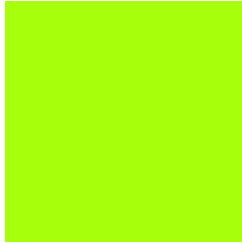
11.8492, 5.0190, 49.7788



1.2677, 0.5475, 4.8521

Previews

White Background



This preview shows how the XYZ color 51.9748, 79.8714, 13.0252 looks on a white background.

Color Contrast Check

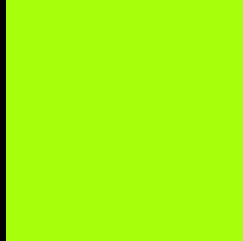
Large Text (above 18pt) WCAG AA × Fail

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 51.9748, 79.8714, 13.0252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

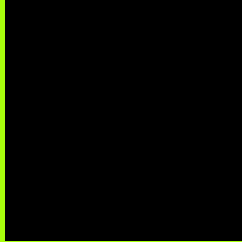
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9748, 79.8714, 13.0252

Background



This preview shows how black text looks on a background with the XYZ color 51.9748, 79.8714, 13.0252.

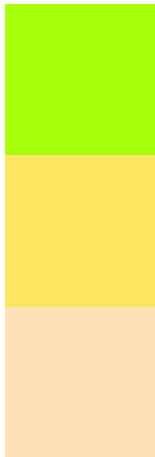


This preview shows how white text looks on a background with the XYZ color 51.9748, 79.8714,

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

51.9748, 79.8714, 13.0252

Protanopia

71.7414, 78.7355, 22.9716

Deuteranopia

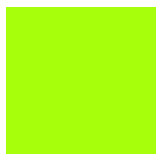
76.9222, 78.6132, 57.0186



Tritanopia

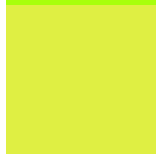
71.0991, 79.5241, 106.2101

Trichromacy



Original Color

51.9748, 79.8714, 13.0252



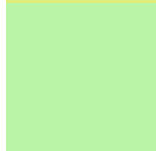
Protanomaly

62.3110, 77.8262, 17.0480



Deuteranomaly

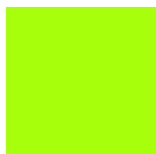
63.9397, 77.0840, 29.9211



Tritanomaly

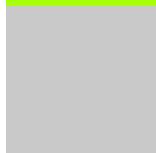
59.5754, 77.9305, 48.4613

Monochromacy



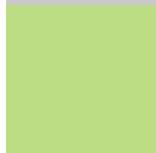
Original Color

51.9748, 79.8714, 13.0252



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 51.9748, 79.8714, 13.0252 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 12) }
```

Border

The CSS property to change the border of an element to XYZ 51.9748, 79.8714, 13.0252 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, 12) }
```


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

```
.border{ border-color:rgb(168, 255, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 12);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9748, 79.8714, 13.0252 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, 12) }
```

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

```
.background{ background-color: rgb(168,  
255, 12) }
```

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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