

Converting Colors

XYZ(51.8015, 79.6638, 18.3593)

Have a look what the booklet for
XYZ(51.8015, 79.6638, 18.3593)
contains.

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Color

**XYZ(51.7658, 79.6436,
18.4388)**

Conversions

Conversions Part 1

Format	Color
Hex	A2FF46
RGB	162, 255, 70
RGB Percent	64%, 100%, 27%
CMY	0.3647, 0.0000, 0.7255
CMYK	0.36, 0.00, 0.73, 0.00
HSL	90°, 100%, 64%
HSV	90°, 73%, 100%
XYZ	51.7658, 79.6436, 18.4388
YIQ	206.1030, 3.9570, -77.2510

Conversions

Conversions Part 2

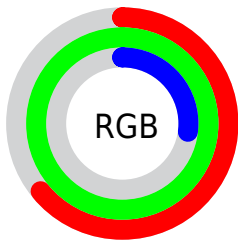
Format	Color
R _Y B	70, 255, 163
Decimal	10682182
CIE Lab	91.52, -55.14, 74.74
CIE LCh	92, 92.879, 126.422
Yxy	79.6436, 0.3455, 0.5315
Android (android.graphics.Color)	4288872262 (0xFFA2FF46)
YUV	206.1030, -67.0988, -38.6783
Hunter-Lab	89.2433, -52.6363, 50.2202

Details

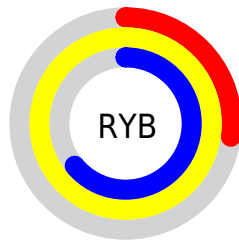
The XYZ color **51.7658, 79.6436, 18.4388** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **35.3464, 19.3886, 96.4871**, and the grayscale version is **59.1470, 62.2273, 67.7655**.

A 20% lighter version of the original color is **69.8466, 88.6346, 34.1958**, and **25.6736, 43.2129, 6.9878** is the 20% darker color. If you saturate the color by 10%, you get **48.6516, 78.1122, 14.9461**, and if you desaturate by 10%, it is **55.4873, 81.4485, 23.7444**.

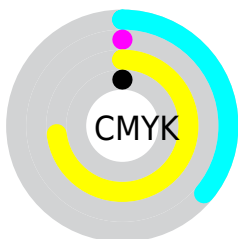
Distribution



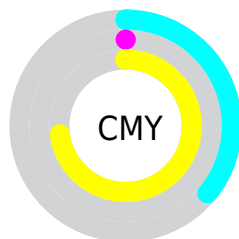
- Red (64%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (64%)



- Cyan (36%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7658, 79.6436, 18.4388 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 51.7658, 79.6436, 18.4388 by changing the saturation by 10% instead.


 51.7658, 79.6436,
18.4388


 51.7658, 79.6436,
18.4388


383.8706,
493.7309, 255.6515

 37.0419, 59.4251,
11.0928


 91.9620, 132.8645,
41.6076


 25.4138, 42.9554,
6.0143


 118.1651,
166.6358, 58.2675


 16.5160, 29.8501,
2.7849


 148.9253,
205.6934, 78.8691

 9.9832, 19.7249,
0.9859


 184.6080,
250.4218, 103.8309

 5.4500, 12.1952,
0.0000

 225.5785,
301.2053, 133.5715

 2.5511, 6.8768,
0.0000

272.2022,

 0.9211, 3.3852,

358.4285, 168.5095

0.0000

324.8445,
422.4755, 209.0633

■ 0.0000, 1.3360,
0.0000

■ 0.0000, 0.1688,
0.0000

■ 51.7658, 79.6436,
18.4388

■ 51.7658, 79.6436,
18.4388

■ 48.6516, 78.1122,
14.9461

■ 55.4873, 81.4485,
23.7444

■ 46.0896, 76.8315,
13.0172

■ 59.8617, 83.5462,
31.0625

■ 44.4834, 76.0171,
12.3282

■ 64.9298, 85.9537,
40.5700

■ 70.7282, 88.6865,
52.4238

■ 77.2907, 91.7590,
66.7662

■ 84.6487, 95.1843,
83.7281

■ 92.8314, 98.9750,
103.4314

■ 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.



70.7219, 79.6436, 10.9798



51.7658, 79.6436, 18.4388



41.1801, 79.6436, 44.3333

Triad

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



51.7658, 79.6436, 18.4388



58.9151, 79.6436, 269.4213



130.5274, 79.6436, 72.9420

Complementary

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



51.7658, 79.6436, 18.4388



35.3464, 19.3886, 96.4871

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.



125.5396, 79.6436, 149.9991



51.7658, 79.6436, 18.4388



80.9040, 79.6436, 291.4211

Square

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



51.7658, 79.6436, 18.4388



44.6662, 79.6436, 189.4040



106.0618, 79.6436, 239.5588



118.5420, 79.6436, 30.0698

Rectangle

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



51.7658, 79.6436, 18.4388



38.7565, 79.6436, 78.8356



106.0618, 79.6436, 239.5588



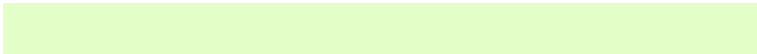
130.8106, 79.6436, 95.1097

Sweetspot

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



51.7659, 79.6436, 18.4400



77.6718, 91.9368, 67.6238



55.3549, 47.7207, 12.0891



16.2250, 19.4915, 13.5793



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.



51.7659, 79.6436, 18.4400



47.4460, 77.5124, 13.9106



39.3920, 73.2646, 17.8609



18.6321, 20.6118, 19.1408



23.4155, 39.8092, 6.4498



2.4058, 3.9410, 0.6339

Inverse Universe

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



35.3464, 19.3886, 96.4871



30.2187, 14.3067, 95.7765



61.4806, 32.8612, 97.7102



17.8733, 17.8264, 22.7488



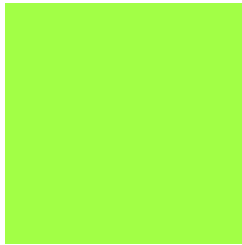
14.2708, 6.2673, 49.8921



1.5155, 0.6752, 4.8637

Previews

White Background



This preview shows how the XYZ color 51.7658, 79.6436, 18.4388 looks on a white background.

Color Contrast Check

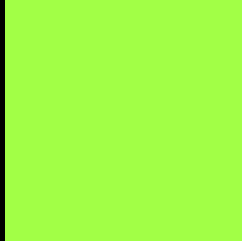
Large Text (above 18pt) WCAG AA × Fail

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 51.7658, 79.6436, 18.4388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

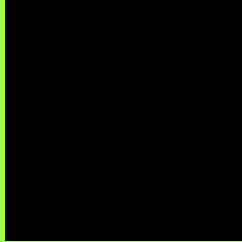
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

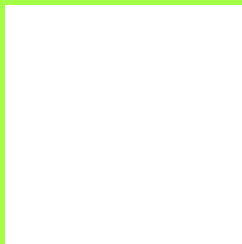
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7658, 79.6436, 18.4388

Background



This preview shows how black text looks on a background with the XYZ color 51.7658, 79.6436, 18.4388.

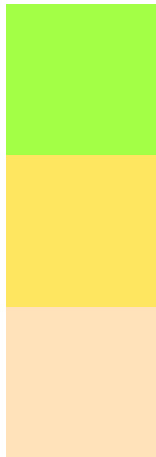


This preview shows how white text looks on a background with the XYZ color 51.7658, 79.6436,

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

51.7658, 79.6436, 18.4388

Protanopia

71.6481, 78.6982, 22.4803

Deuteranopia

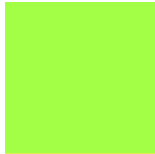
77.0281, 78.6556, 57.5766



Tritanopia

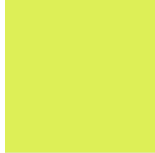
69.8200, 78.8647, 106.1503

Trichromacy



Original Color

51.7658, 79.6436, 18.4388



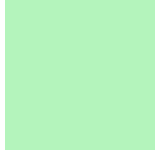
Protanomaly

62.4056, 77.7933, 20.7433



Deuteranomaly

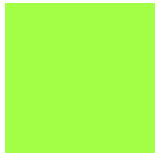
64.8483, 77.3767, 37.9029



Tritanomaly

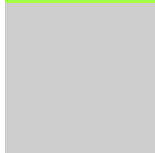
60.2502, 78.0355, 59.4638

Monochromacy



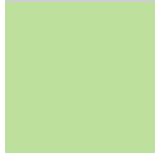
Original Color

51.7658, 79.6436, 18.4388



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.9767, 66.6928, 41.9264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7658, 79.6436, 18.4388 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(162, 255, 70)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 70)  
}
```

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(162, 255, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 70) }
```

Border

The CSS property to change the border of an element to XYZ 51.7658, 79.6436, 18.4388 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(162, 255, 70) }
```


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

```
.border{ border-color:rgb(162, 255, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 255, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 70);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7658, 79.6436, 18.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 70) }
```

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

```
.background{ background-color: rgb(162,  
255, 70) }
```

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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