

Converting Colors

XYZ(49.6830, 78.5519, 19.1540)

Have a look what the booklet for
XYZ(49.6830, 78.5519, 19.1540)
contains.

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Color

**XYZ(49.6077, 78.5120,
19.1964)**

Conversions

Conversions Part 1

Format	Color
Hex	96FF4B
RGB	150, 255, 75
RGB Percent	59%, 100%, 29%
CMY	0.4118, 0.0000, 0.7059
CMYK	0.41, 0.00, 0.71, 0.00
HSL	95°, 100%, 65%
HSV	95°, 71%, 100%
XYZ	49.6077, 78.5120, 19.1964
YIQ	203.0850, -4.8000, -78.2400

Conversions

Conversions Part 2

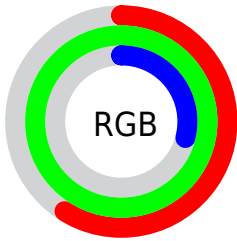
Format	Color
RYB	75, 255, 180
Decimal	9895755
CIELab	91.01, -58.69, 72.36
CIELCh	91, 93.171, 129.047
Yxy	78.5120, 0.3367, 0.5329
Android (android.graphics.Color)	4288085835 (0xFF96FF4B)
YUV	203.0850, -63.1459, -46.5555
Hunter-Lab	88.6070, -55.1269, 49.1799

Details

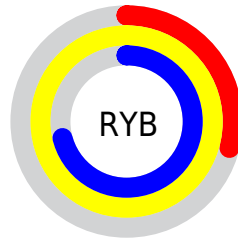
The XYZ color **49.6077, 78.5120, 19.1964** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **39.3905, 21.9572, 96.7698**, and the grayscale version is **57.2049, 60.1840, 65.5404**.

A 20% lighter version of the original color is **66.5720, 86.9151, 35.4579**, and **24.0861, 42.0564, 6.8482** is the 20% darker color. If you saturate the color by 10%, you get **46.3368, 76.9073, 15.3645**, and if you desaturate by 10%, it is **53.5760, 80.4359, 24.8875**.

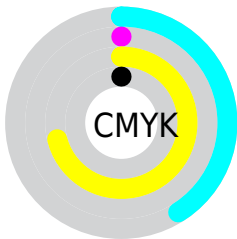
Distribution



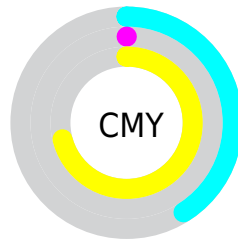
- Red (59%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (71%)



- Cyan (41%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6077, 78.5120, 19.1964 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 49.6077, 78.5120, 19.1964 by changing the saturation by 10% instead.


 49.6077, 78.5120,
19.1964


 49.6077, 78.5120,
19.1964


375.6072,
489.9039, 259.9896

 35.3183, 58.4947,
11.6340


 88.7887, 131.2716,
42.9068


 24.0758, 42.2065,
6.3755


 114.4109,
164.7827, 59.8919


 15.5149, 29.2630,
3.0023


 144.5416,
203.5605, 80.8551

 9.2702, 19.2799,
1.0958

 179.5459,
247.9894, 106.2147

 4.9764, 11.8727,
0.0000

 219.7892,
298.4538, 136.3895

 2.2680, 6.6570,
0.0000

265.6370,

 0.7782, 3.2486,

355.3381, 171.7979

0.0000

317.4546,
419.0267, 212.8584

0.0000, 1.2628,
0.0000

0.0000, 0.1121,
0.0000

49.6077, 78.5120,
19.1964

49.6077, 78.5120,
19.1964

46.3368, 76.9073,
15.3645

53.5760, 80.4359,
24.8875

43.7052, 75.5969,
13.1527

58.2908, 82.7000,
32.6314

41.7330, 74.5992,
12.1995

63.7965, 85.3233,
42.6010

70.1333, 88.3233,
54.9502

■ 77.3385, 91.7160,
69.8190

■ 85.4467, 95.5167,
87.3368

94.4907, 99.7394,
107.6238

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.



67.7361, 78.5120, 10.7696



49.6077, 78.5120, 19.1964



39.8587, 78.5120, 47.0344

Triad

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



49.6077, 78.5120, 19.1964



59.5926, 78.5120, 272.4295



128.7811, 78.5120, 66.6960

Complementary

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



49.6077, 78.5120, 19.1964



39.3905, 21.9572, 96.7698

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.



125.3199, 78.5120, 140.6638



49.6077, 78.5120, 19.1964



81.9623, 78.5120, 287.7646

Square

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



49.6077, 78.5120, 19.1964



44.7254, 78.5120, 195.7751



106.8886, 78.5120, 230.6656



115.5395, 78.5120, 27.1036

Rectangle

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



49.6077, 78.5120, 19.1964



37.9265, 78.5120, 83.3507



106.8886, 78.5120, 230.6656



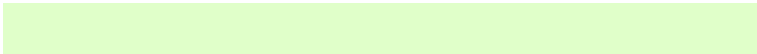
129.5831, 78.5120, 87.6580

Sweetspot

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



49.6079, 78.5121, 19.1976



77.0222, 91.5674, 69.1511



58.8321, 54.4117, 14.0596



16.0433, 19.3911, 13.8733



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.



49.6079, 78.5121, 19.1976



45.1001, 76.2941, 14.2042



40.5079, 73.7544, 21.7753



18.4886, 20.5378, 19.1341



21.9670, 39.0625, 6.3820



2.2598, 3.8657, 0.6271

Inverse Universe

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



39.3905, 21.9572, 96.7698



34.2042, 16.5886, 96.0069



59.4848, 32.5844, 85.5927



18.0184, 17.9012, 22.7556



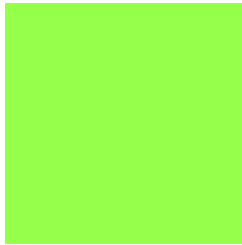
16.0586, 7.1890, 49.9758



1.6881, 0.7641, 4.8718

Previews

White Background



This preview shows how the XYZ color 49.6077, 78.5120, 19.1964 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 49.6077, 78.5120, 19.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

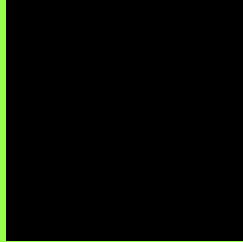
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

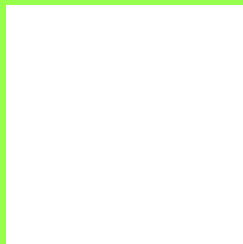
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6077, 78.5120, 19.1964

Background



This preview shows how black text looks on a background with the XYZ color 49.6077, 78.5120, 19.1964.

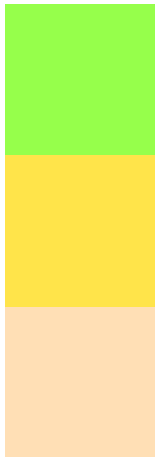


This preview shows how white text looks on a background with the XYZ color 49.6077, 78.5120,

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

49.6077, 78.5120, 19.1964

Protanopia

70.2194, 77.2412, 17.6867

Deuteranopia

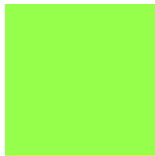
75.9682, 77.3715, 54.6463



Tritanopia

67.6256, 77.7335, 106.0476

Trichromacy



Original Color

49.6077, 78.5120, 19.1964



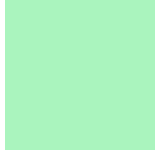
Protanomaly

60.4258, 76.3952, 18.0395



Deuteranomaly

63.2061, 76.1214, 36.9528



Tritanomaly

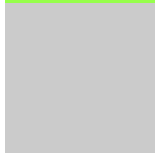
58.2225, 76.9651, 60.5023

Monochromacy



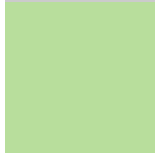
Original Color

49.6077, 78.5120, 19.1964



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.8892, 64.8332, 41.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6077, 78.5120, 19.1964 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(150, 255, 75)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 75)  
}
```

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(150, 255, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 75) }
```

Border

The CSS property to change the border of an element to XYZ 49.6077, 78.5120, 19.1964 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(150, 255, 75) }
```


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

```
.border{ border-color:rgb(150, 255, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 75);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6077, 78.5120, 19.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 75) }
```

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

```
.background{ background-color: rgb(150,  
255, 75) }
```

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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