

Converting Colors

XYZ(49.4826, 76.5540, 14.1935)

Have a look what the booklet for
XYZ(49.4826, 76.5540, 14.1935)
contains.

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Color

**XYZ(49.5781, 76.7246,
14.2038)**

Conversions

Conversions Part 1

Format	Color
Hex	A1FB28
RGB	161, 251, 40
RGB Percent	63%, 98%, 16%
CMY	0.3686, 0.0157, 0.8431
CMYK	0.36, 0.00, 0.84, 0.02
HSL	86°, 96%, 57%
HSV	86°, 84%, 98%
XYZ	49.5781, 76.7246, 14.2038
YIQ	200.0360, 14.0910, -84.7010

Conversions

Conversions Part 2

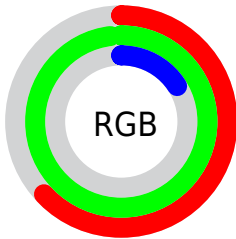
Format	Color
RYB	40, 251, 130
Decimal	10615592
CIELab	90.19, -55.25, 81.66
CIELCh	90, 98.594, 124.080
Yxy	76.7246, 0.3529, 0.5461
Android (android.graphics.Color)	4288805672 (0xFFA1FB28)
YUV	200.0360, -78.8977, -34.2346
Hunter-Lab	87.5926, -52.2546, 51.7005

Details

The XYZ color **49.5781, 76.7246, 14.2038** 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 **27.3814, 13.2311, 92.3819**, and the grayscale version is **55.3893, 58.2739, 63.4602**.

A 20% lighter version of the original color is **68.2326, 87.9537, 27.2904**, and **24.5473, 41.2929, 6.6766** is the 20% darker color. If you saturate the color by 10%, you get **47.2159, 75.5437, 12.5415**, and if you desaturate by 10%, it is **52.4052, 78.1182, 17.3345**.

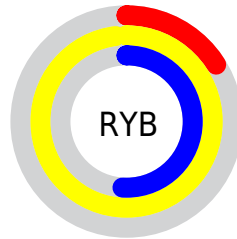
Distribution



Red (63%)

Green (98%)

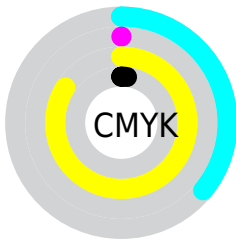
Blue (16%)



Red (16%)

Yellow (98%)

Blue (51%)

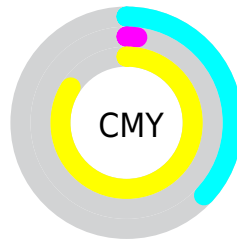


Cyan (36%)

Magenta (0%)

Yellow (84%)

Black (2%)



Cyan (37%)


Magenta (2%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5781, 76.7246, 14.2038 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 49.5781, 76.7246, 14.2038 by changing the saturation by 10% instead.


 49.5781, 76.7246,
14.2038


 49.5781, 76.7246,
14.2038


375.4931,
483.8245, 229.9674


 35.2947, 57.0269,
8.1222


 88.7450, 128.7507,
34.1725

 24.0576, 41.0268,
4.0843


 114.3593,
161.8478, 48.8967


 15.5013, 28.3400,
1.6717


 144.4812,
200.1801, 67.3388

 9.2606, 18.5821,
0.3412

 179.4761,
244.1321, 89.9174

 4.9700, 11.3687,
0.0000

 219.7094,
294.0882, 117.0510

 2.2642, 6.3154,
0.0000

265.5464,

 0.7763, 3.0378,

350.4327, 149.1582

0.0000

317.3525,
413.5500, 186.6575

■ 0.0000, 1.1515,
0.0000

■ 0.0000, 0.0216,
0.0000

■ 49.5781, 76.7246,
14.2038

■ 49.5781, 76.7246,
14.2038

■ 47.2159, 75.5437,
12.5415

■ 52.4052, 78.1182,
17.3345

■ 45.9883, 74.9207,
12.0373

■ 55.7428, 79.7351,
22.1731

■ 59.6348, 81.5962,
28.9212

■ 64.1182, 83.7166,
37.7512

69.2258, 86.1101,
48.8161

74.9881, 88.7892,
62.2546

81.4329, 91.7655,
78.1942

88.5863, 95.0498,
96.7532

93.7888, 97.4777,
108.4796

Harmonies

Analogous

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



69.6230, 76.7246, 8.2849



49.5781, 76.7246, 14.2038



38.2224, 76.7246, 37.3443

Triad

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



49.5781, 76.7246, 14.2038



54.2047, 76.7246, 273.1974



130.7498, 76.7246, 74.3017

Complementary

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



49.5781, 76.7246, 14.2038



27.3814, 13.2311, 92.3819

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.



124.0477, 76.7246, 157.5074



49.5781, 76.7246, 14.2038



76.3286, 76.7246, 303.4045

Square

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



49.5781, 76.7246, 14.2038



40.4435, 76.7246, 184.2757



102.6448, 76.7246, 252.5847



119.3314, 76.7246, 28.4410

Rectangle

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



49.5781, 76.7246, 14.2038



35.3778, 76.7246, 70.3789



102.6448, 76.7246, 252.5847



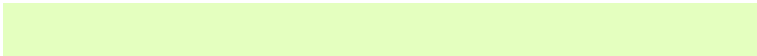
130.5552, 76.7246, 98.2474

Sweetspot

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



49.5799, 76.7280, 14.2055



77.1247, 91.7548, 63.0801



47.8783, 36.0826, 6.4498



16.0464, 19.4251, 12.4100



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.



49.5799, 76.7280, 14.2055



47.6534, 77.6513, 12.4766



36.6035, 70.0384, 13.5982



17.9704, 19.8005, 18.3371



24.3423, 39.4672, 6.3350



2.3757, 3.7178, 0.5924

Inverse Universe

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



27.3814, 13.2311, 92.3819



24.3295, 10.4572, 95.3439



51.9150, 25.8787, 93.5300



16.9850, 17.0049, 21.7724



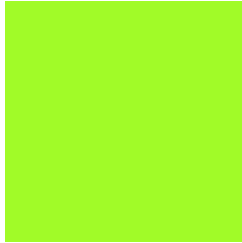
12.5031, 5.3883, 48.3546



1.2764, 0.5601, 4.4840

Previews

White Background



This preview shows how the XYZ color 49.5781, 76.7246, 14.2038 looks on a white background.

Color Contrast Check

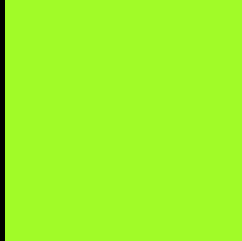
Large Text (above 18pt) WCAG AA × Fail

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 49.5781, 76.7246, 14.2038 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 49.5781, 76.7246, 14.2038

Background



This preview shows how black text looks on a background with the XYZ color 49.5781, 76.7246, 14.2038.



This preview shows how white text looks on a background with the XYZ color 49.5781, 76.7246,

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

49.5781, 76.7246, 14.2038

Protanopia

68.3439, 75.5733, 12.4238

Deuteranopia

74.2796, 75.4250, 49.6732



Tritanopia

67.4870, 76.4387, 103.2927

Trichromacy



Original Color

49.5781, 76.7246, 14.2038



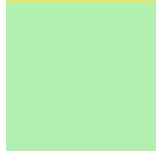
Protanomaly

59.5420, 74.7597, 12.9609



Deuteranomaly

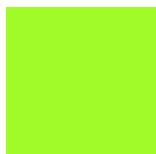
62.0328, 73.9792, 30.0787



Tritanomaly

57.2580, 74.8803, 51.9930

Monochromacy



Original Color

49.5781, 76.7246, 14.2038



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.4637, 63.0551, 35.1023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5781, 76.7246, 14.2038 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(161, 251, 40)` looks like.

```
.text, #text, p{  
    color:rgb(161, 251, 40)  
}
```

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(161, 251, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 251, 40) }
```

Border

The CSS property to change the border of an element to XYZ 49.5781, 76.7246, 14.2038 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(161, 251, 40) }
```


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

```
.border{ border-color:rgb(161, 251, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 251, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 251, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 251, 40);  
box-shadow:4px 4px 4px 4px rgb(161, 251,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5781, 76.7246, 14.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 251, 40) }
```

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

```
.background{ background-color: rgb(161,  
251, 40) }
```

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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