

Converting Colors

XYZ(49.6451, 78.6780, 12.5698)

Have a look what the booklet for
XYZ(49.6451, 78.6780, 12.5698)
contains.

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Color

**XYZ(49.6646, 78.6881,
12.5707)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFF00
RGB	157, 255, 0
RGB Percent	62%, 100%, 0%
CMY	0.3843, 0.0000, 0.9998
CMYK	0.38, 0.00, 1.00, 0.00
HSL	83°, 100%, 50%
HSV	83°, 100%, 100%
XYZ	49.6646, 78.6881, 12.5707
YIQ	196.6280, 23.4470, -100.0810

Conversions

Conversions Part 2

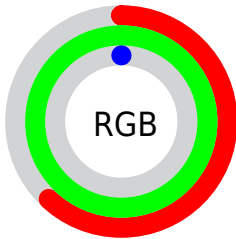
Format	Color
RYB	0, 255, 98
Decimal	10354432
CIELab	91.09, -58.88, 87.26
CIElCh	91, 105.267, 124.013
Yxy	78.6881, 0.3524, 0.5584
Android (android.graphics.Color)	4288544512 (0xFF9DFF00)
YUV	196.6280, -96.9376, -34.7538
Hunter-Lab	88.7063, -55.2981, 53.6923

Details

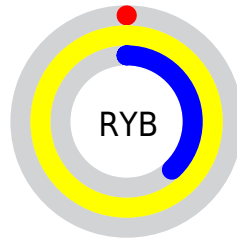
The XYZ color **49.6646, 78.6881, 12.5707** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **23.0917, 9.8197, 95.2861**, and the grayscale version is **53.4053, 56.1865, 61.1871**.

A 20% lighter version of the original color is **66.6938, 87.2336, 23.9123**, and **24.9134, 42.8211, 6.9522** is the 20% darker color. If you saturate the color by 10%, you get **49.6616, 78.6865, 12.5706**, and if you desaturate by 10%, it is **51.8356, 79.7863, 13.6188**.

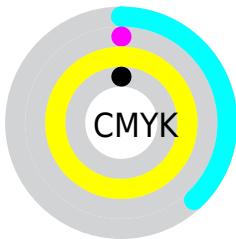
Distribution



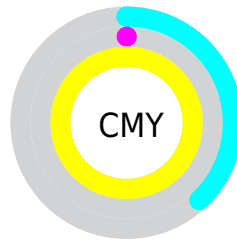
- Red (62%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (38%)



- Cyan (38%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6646, 78.6881, 12.5707 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 49.6646, 78.6881, 12.5707 by changing the saturation by 10% instead.


 49.6646, 78.6881,
12.5707


 49.6646, 78.6881,
12.5707


375.8266,
490.5006, 219.2580

 35.3637, 58.6394,
7.0064


 88.8725, 131.5197,
31.2101

 24.1110, 42.3229,
3.3876


 114.5103,
165.0713, 45.1223

 15.5411, 29.3542,
1.2958


 144.6576,
203.8928, 62.6542

 9.2888, 19.3489,
0.0583

 179.6800,
248.3684, 84.2243

 4.9887, 11.9227,
0.0000

 219.9427,
298.8826, 110.2512

 2.2753, 6.6911,
0.0000

 265.8111,

 0.7820, 3.2696,

355.8198, 141.1535

0.0000

317.6507,
419.5643, 177.3496

■ 0.0000, 1.2741,
0.0000

■ 0.0000, 0.1210,
0.0000

■ 49.6646, 78.6881,
12.5707

■ 49.6646, 78.6881,
12.5707

■ 49.6616, 78.6865,
12.5706

■ 51.8356, 79.7863,
13.6188

■ 54.3994, 81.0598,
15.9154

■ 57.4313, 82.5391,
19.8408

■ 60.9786, 84.2434,
25.6271

■ 65.0815, 86.1892,
33.4693

■ 69.7754, 88.3910,
43.5374

■ 75.0920, 90.8618,
55.9840

■ 81.0608, 93.6138,
70.9480

■ 87.7089, 96.6582,
88.5579

Harmonies

Analogous

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



71.2665, 78.6881, 6.8732



49.6646, 78.6881, 12.5707



37.5809, 78.6881, 36.1739

Triad

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



49.6646, 78.6881, 12.5707



54.5367, 78.6881, 296.4361



138.3239, 78.6881, 75.8260

Complementary

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



49.6646, 78.6881, 12.5707



23.0917, 9.8197, 95.2861

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.



130.8568, 78.6881, 167.2607



49.6646, 78.6881, 12.5707



78.4291, 78.6881, 330.7512

Square

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



49.6646, 78.6881, 12.5707



39.8900, 78.6881, 196.5698



107.2191, 78.6881, 273.5889



125.7258, 78.6881, 27.0694

Rectangle

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



49.6646, 78.6881, 12.5707



34.5717, 78.6881, 71.2849



107.2191, 78.6881, 273.5889



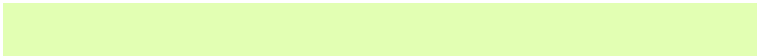
138.0926, 78.6881, 101.8886

Sweetspot

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



49.6647, 78.6881, 12.5718



75.0835, 90.8579, 55.9632



45.5868, 29.9532, 3.3800



15.5746, 19.2172, 10.7915



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.



49.6647, 78.6881, 12.5718



49.6616, 78.6865, 12.5706



36.2894, 71.7929, 11.9459



18.8454, 20.7217, 19.1508



26.1211, 41.2040, 6.5764



2.6654, 4.0748, 0.6460

Inverse Universe

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



23.0917, 9.8197, 95.2861



23.0887, 9.8175, 95.2858



49.1812, 23.2693, 96.5070



17.6631, 17.7180, 22.7389



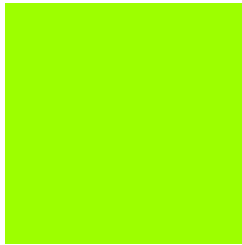
12.2181, 5.2091, 49.7961



1.3071, 0.5677, 4.8540

Previews

White Background



This preview shows how the XYZ color 49.6646, 78.6881, 12.5707 looks on a white background.

Color Contrast Check

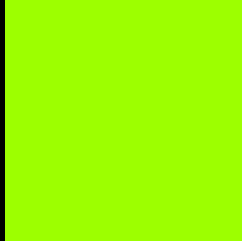
Large Text (above 18pt) WCAG AA × Fail

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 49.6646, 78.6881, 12.5707 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 49.6646, 78.6881, 12.5707

Background



This preview shows how black text looks on a background with the XYZ color 49.6646, 78.6881, 12.5707.



This preview shows how white text looks on a background with the XYZ color 49.6646, 78.6881,

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

49.6646, 78.6881, 12.5707

Protanopia

70.5638, 77.8204, 18.1392

Deuteranopia

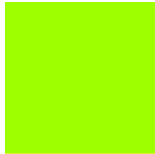
75.8659, 77.3306, 54.1078



Tritanopia

68.8277, 78.3532, 106.1038

Trichromacy



Original Color

49.6646, 78.6881, 12.5707



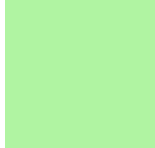
Protanomaly

60.3215, 76.4225, 14.3681



Deuteranomaly

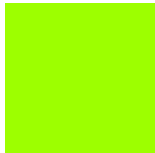
62.0163, 75.7145, 27.5654



Tritanomaly

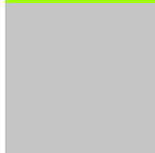
56.7768, 76.5401, 45.9637

Monochromacy



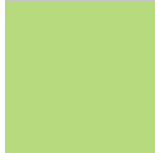
Original Color

49.6646, 78.6881, 12.5707



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.0645, 61.5686, 28.7527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6646, 78.6881, 12.5707 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(157, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 0)  
}
```

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(157, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.6646, 78.6881, 12.5707 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(157, 255, 0) }
```


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

```
.border{ border-color:rgb(157, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6646, 78.6881, 12.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 0) }
```

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

```
.background{ background-color: rgb(157,  
255, 0) }
```

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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