

Converting Colors

XYZ(49.1246, 78.2014, 21.9585)

Have a look what the booklet for
XYZ(49.1246, 78.2014, 21.9585)
contains.

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Color

**XYZ(49.0648, 78.1706,
21.9536)**

Conversions

Conversions Part 1

Format	Color
Hex	90FF59
RGB	144, 255, 89
RGB Percent	56%, 100%, 35%
CMY	0.4353, 0.0000, 0.6510
CMYK	0.44, 0.00, 0.65, 0.00
HSL	100°, 100%, 67%
HSV	100°, 65%, 100%
XYZ	49.0648, 78.1706, 21.9536
YIQ	202.8870, -12.8700, -75.1580

Conversions

Conversions Part 2

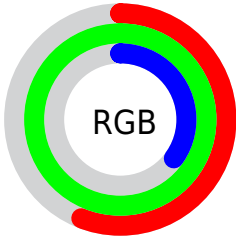
Format	Color
RYB	89, 255, 200
Decimal	9502553
CIELab	90.86, -59.50, 66.96
CIElCh	91, 89.576, 131.623
Yxy	78.1706, 0.3289, 0.5240
Android (android.graphics.Color)	4287692633 (0xFF90FF59)
YUV	202.8870, -56.1463, -51.6439
Hunter-Lab	88.4141, -55.6674, 47.1679

Details

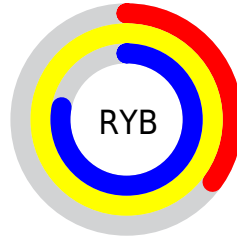
The XYZ color **49.0648, 78.1706, 21.9536** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **45.4436, 26.6457, 97.3557**, and the grayscale version is **57.0410, 60.0116, 65.3526**.

A 20% lighter version of the original color is **65.7727, 86.4017, 39.9987**, and **23.6984, 41.8375, 7.6906** is the 20% darker color. If you saturate the color by 10%, you get **45.4161, 76.3926, 17.1286**, and if you desaturate by 10%, it is **53.5345, 80.3289, 28.7542**.

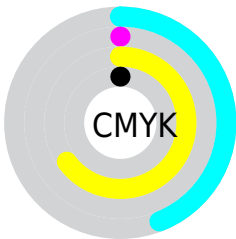
Distribution



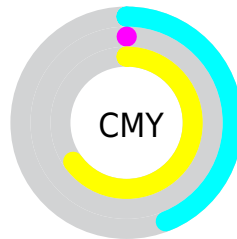
- Red (56%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0648, 78.1706, 21.9536 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 49.0648, 78.1706, 21.9536 by changing the saturation by 10% instead.


 49.0648, 78.1706,
21.9536

 49.0648, 78.1706,
21.9536


373.5101,
488.7460, 275.2495


 34.8856, 58.2141,
13.6248


 87.9878, 130.7906,
47.5705


 23.7409, 41.9808,
7.7244


 113.4624,
164.2229, 65.6957

 15.2652, 29.0863,
3.8339


 143.4328,
202.9159, 87.9235

 9.0933, 19.1461,
1.5347

 178.2645,
247.2541, 114.6723

 4.8597, 11.7759,
0.2436

218.3226,
297.6218, 146.3608

 2.1991, 6.5913,
0.0000


263.9727,


 0.7422, 3.2078,


354.4034, 183.4075


0.0000


315.5801,
417.9834, 226.2308


 0.0000, 1.2412,
0.0000


 0.0000, 0.0950,
0.0000

 49.0648, 78.1706,
21.9536


 49.0648, 78.1706,
21.9536


 45.4161, 76.3926,
17.1286


 53.5345, 80.3289,
28.7542

 42.5275, 74.9683,
14.0631

 58.8779, 82.8908,
37.7093

 40.3280, 73.8669,
12.4965

 65.1434, 85.8778,
48.9815

 39.4595, 73.4272,
12.0931

 72.3756, 89.3096,
62.7170

■ 80.6158, 93.2046,
79.0500

■ 89.9028, 97.5801,
98.1049

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.



65.9030, 78.1706, 12.2301



49.0648, 78.1706, 21.9536



40.2862, 78.1706, 51.6677

Triad

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



49.0648, 78.1706, 21.9536



61.4532, 78.1706, 265.6520



125.3603, 78.1706, 62.4725

Complementary

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



49.0648, 78.1706, 21.9536



45.4436, 26.6457, 97.3557

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.



123.4964, 78.1706, 130.5601



49.0648, 78.1706, 21.9536



83.3790, 78.1706, 273.8189

Square

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



49.0648, 78.1706, 21.9536



46.3770, 78.1706, 197.0738



106.9717, 78.1706, 215.7342



111.6425, 78.1706, 26.4165

Rectangle

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



49.0648, 78.1706, 21.9536



38.8453, 78.1706, 88.6794



106.9717, 78.1706, 215.7342



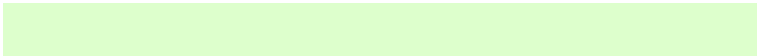
126.5996, 78.1706, 81.6465

Sweetspot

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



49.0650, 78.1707, 21.9548



76.4464, 91.2356, 70.7078



63.6209, 63.1365, 18.2857



15.8751, 19.2976, 14.1729



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.



49.0650, 78.1707, 21.9548



44.5018, 75.9438, 16.0674



43.0719, 74.9207, 28.9194



18.3385, 20.4604, 19.1270



20.7585, 38.4395, 6.3255



2.1312, 3.7994, 0.6210

Inverse Universe

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



45.4436, 26.6457, 97.3557



40.4809, 20.8901, 96.5063



58.7241, 33.9701, 76.3769



18.1736, 17.9812, 22.7628



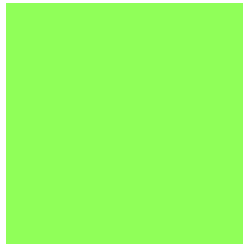
18.3167, 8.3531, 50.0815



1.8991, 0.8729, 4.8817

Previews

White Background



This preview shows how the XYZ color 49.0648, 78.1706, 21.9536 looks on a white background.

Color Contrast Check

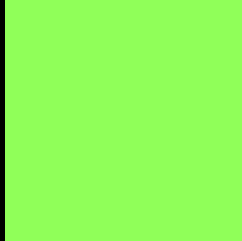
Large Text (above 18pt) WCAG AA × Fail

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 49.0648, 78.1706, 21.9536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

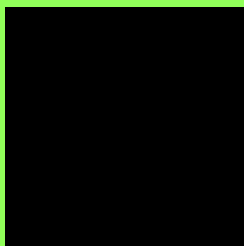
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

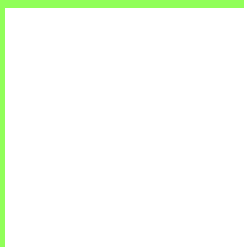
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0648, 78.1706, 21.9536

Background



This preview shows how black text looks on a background with the XYZ color 49.0648, 78.1706, 21.9536.



This preview shows how white text looks on a background with the XYZ color 49.0648, 78.1706,

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

49.0648, 78.1706, 21.9536

Protanopia

70.1017, 77.1517, 18.9816

Deuteranopia

75.5995, 76.7978, 54.0190



Tritanopia

66.9846, 77.8340, 106.1008

Trichromacy



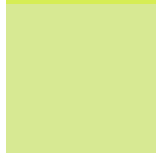
Original Color

49.0648, 78.1706, 21.9536



Protanomaly

59.9063, 76.0853, 19.9160



Deuteranomaly

62.7136, 75.3993, 38.8519



Tritanomaly

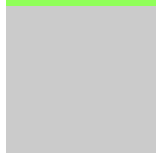
57.9269, 76.7485, 63.3906

Monochromacy



Original Color

49.0648, 78.1706, 21.9536



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.9343, 64.7963, 43.9521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0648, 78.1706, 21.9536 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(144, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 89)  
}
```

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(144, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 89) }
```

Border

The CSS property to change the border of an element to XYZ 49.0648, 78.1706, 21.9536 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(144, 255, 89) }
```


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

```
.border{ border-color:rgb(144, 255, 89) }
```

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

Here you see how a box with a 4 pixel rgb(144, 255, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0648, 78.1706, 21.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 89) }
```

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

```
.background{ background-color: rgb(144,  
255, 89) }
```

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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