

Converting Colors

XYZ(49.6150, 78.2349, 31.8879)

Have a look what the booklet for
XYZ(49.6150, 78.2349, 31.8879)
contains.

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Color

**XYZ(49.6150, 78.2349,
31.8879)**

Conversions

Conversions Part 1

Format	Color
Hex	88FF7D
RGB	136, 255, 125
RGB Percent	53%, 100%, 49%
CMY	0.4667, 0.0000, 0.5098
CMYK	0.47, 0.00, 0.51, 0.00
HSL	115°, 100%, 75%
HSV	115°, 51%, 100%
XYZ	49.6150, 78.2349, 31.8879
YIQ	204.5990, -29.1940, -65.6580

Conversions

Conversions Part 2

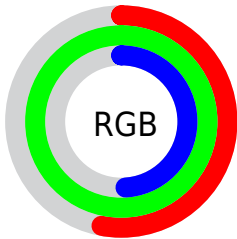
Format	Color
RYB	125, 255, 244
Decimal	8978301
CIELab	90.89, -58.13, 51.47
CIELCh	91, 77.644, 138.477
Yxy	78.2349, 0.3106, 0.4898
Android (android.graphics.Color)	4287168381 (0xFF88FF7D)
YUV	204.5990, -39.2423, -60.1613
Hunter-Lab	88.4505, -54.6614, 40.5403

Details

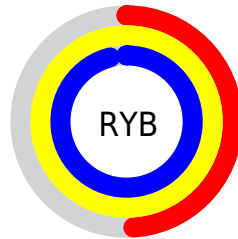
The XYZ color **49.6150, 78.2349, 31.8879** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62.6933, 41.1218, 99.2407**, and the grayscale version is **58.0280, 61.0499, 66.4834**.

A 20% lighter version of the original color is **66.5039, 86.4174, 56.3551**, and **24.0376, 41.8962, 12.9508** is the 20% darker color. If you saturate the color by 10%, you get **44.8024, 75.9186, 24.2234**, and if you desaturate by 10%, it is **55.6720, 81.1444, 41.7954**.

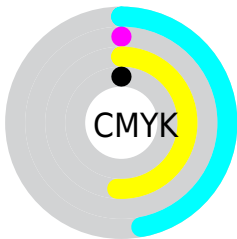
Distribution



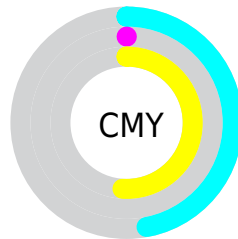
- Red (53%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (96%)



- Cyan (47%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6150, 78.2349, 31.8879 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 49.6150, 78.2349, 31.8879 by changing the saturation by 10% instead.


 49.6150, 78.2349,
31.8879

 49.6150, 78.2349,
31.8879


375.6354,
488.9642, 325.0853


 35.3241, 58.2670,
21.0118


 88.7994, 130.8812,
63.7312

 24.0803, 42.0233,
12.9413


 114.4237,
164.3284, 85.5354

 15.5183, 29.1195,
7.2579


 144.5565,
203.0374, 111.8194

 9.2726, 19.1713,
3.5430

179.5631,
247.3927, 143.0018

 4.9780, 11.7941,
1.3781

219.8089,
297.7786, 179.5010

 2.2690, 6.6036,
0.1246

265.6594,

 0.7787, 3.2155,

354.5795, 221.7356

0.0000

317.4797,
418.1800, 270.1242

0.0000, 1.2452,
0.0000

0.0000, 0.0982,
0.0000

49.6150, 78.2349,
31.8879

49.6150, 78.2349,
31.8879

44.8024, 75.9186,
24.2234

55.6720, 81.1444,
41.7954

41.1463, 74.1539,
18.6237

63.0507, 84.6836,
54.0986

38.5488, 72.8949,
14.8895

71.8237, 88.8868,
68.9408

36.8955, 72.0875,
12.7805

82.0575, 93.7855,
86.4532

■ 36.0815, 71.6857,
11.9350

93.8149, 99.4094,
106.7578

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.



63.0702, 78.2349, 18.4368



49.6150, 78.2349, 31.8879



43.2708, 78.2349, 65.4360

Triad

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



49.6150, 78.2349, 31.8879



67.1000, 78.2349, 240.2294



116.0199, 78.2349, 55.4149

Complementary

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



49.6150, 78.2349, 31.8879



62.6933, 41.1218, 99.2407

Split Complementary

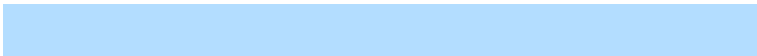
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.6149, 78.2349, 108.5533



49.6150, 78.2349, 31.8879



86.9225, 78.2349, 233.5451

Square

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



49.6150, 78.2349, 31.8879



52.1182, 78.2349, 193.8966



106.2077, 78.2349, 178.3515



102.1703, 78.2349, 27.3276

Rectangle

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



49.6150, 78.2349, 31.8879



43.0294, 78.2349, 102.0627



106.2077, 78.2349, 178.3515



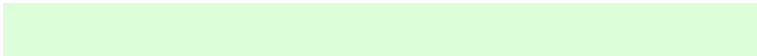
118.0866, 78.2349, 70.2779

Sweetspot

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



49.6153, 78.2351, 31.8891



77.7628, 91.7302, 79.0824



76.6941, 86.2452, 32.0080



16.1833, 19.4133, 16.1378



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

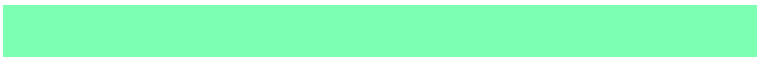
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6153, 78.2351, 31.8891



44.7935, 75.9143, 24.2096



52.1540, 79.0547, 54.1064



17.9139, 20.2415, 19.1072



18.9021, 37.4825, 6.2386



1.8868, 3.6735, 0.6096

Inverse Universe

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



62.6933, 41.1218, 99.2407



59.1181, 35.0784, 98.2627



59.3537, 40.2400, 61.1396



18.6322, 18.2176, 22.7843



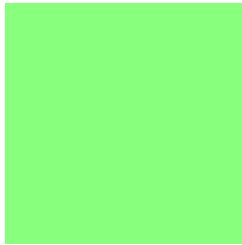
27.1267, 12.8948, 50.4938



2.6841, 1.2776, 4.9184

Previews

White Background



This preview shows how the XYZ color 49.6150, 78.2349, 31.8879 looks on a white background.

Color Contrast Check

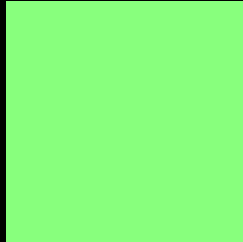
Large Text (above 18pt) WCAG AA × Fail

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 49.6150, 78.2349, 31.8879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

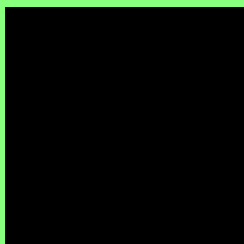
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

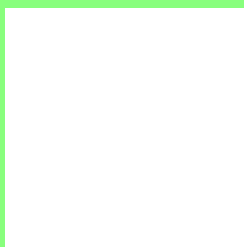
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6150, 78.2349, 31.8879

Background



This preview shows how black text looks on a background with the XYZ color 49.6150, 78.2349, 31.8879.

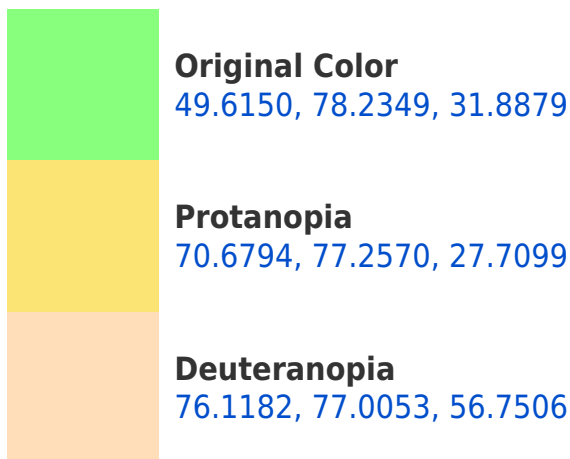


This preview shows how white text looks on a background with the XYZ color 49.6150, 78.2349,

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

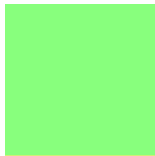




Tritanopia

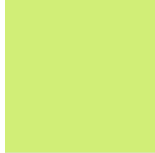
66.3037, 77.4830, 106.0689

Trichromacy



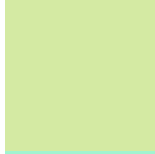
Original Color

49.6150, 78.2349, 31.8879



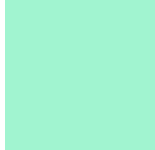
Protanomaly

60.1988, 76.0363, 28.9564



Deuteranomaly

63.1851, 75.4870, 45.8906



Tritanomaly

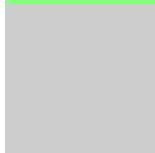
58.4338, 76.8325, 71.4249

Monochromacy



Original Color

49.6150, 78.2349, 31.8879



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.0465, 65.6132, 50.9431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6150, 78.2349, 31.8879 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(136, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 125)  
}
```

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(136, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 49.6150, 78.2349, 31.8879 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(136, 255, 125) }
```


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

```
.border{ border-color:rgb(136, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6150, 78.2349, 31.8879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 125) }
```

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

```
.background{ background-color: rgb(136,  
255, 125) }
```

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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