

Converting Colors

XYZ(49.0960, 77.8688, 36.1201)

Have a look what the booklet for
XYZ(49.0960, 77.8688, 36.1201)
contains.

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Color

**XYZ(49.0278, 77.8382,
36.1072)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFF89
RGB	127, 255, 137
RGB Percent	50%, 100%, 54%
CMY	0.5020, 0.0000, 0.4627
CMYK	0.50, 0.00, 0.46, 0.00
HSL	125°, 100%, 75%
HSV	125°, 50%, 100%
XYZ	49.0278, 77.8382, 36.1072
YIQ	203.2760, -38.4100, -63.8340

Conversions

Conversions Part 2

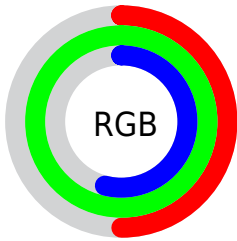
Format	Color
RYB	127, 246, 255
Decimal	8388489
CIELab	90.71, -58.95, 45.54
CIElCh	91, 74.490, 142.310
Yxy	77.8382, 0.3008, 0.4776
Android (android.graphics.Color)	4286578569 (0xFF7FFF89)
YUV	203.2760, -32.6741, -66.8941
Hunter-Lab	88.2260, -55.2017, 37.4933

Details

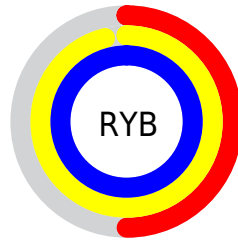
The XYZ color **49.0278, 77.8382, 36.1072** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **65.3107, 43.0315, 91.2482**, and the grayscale version is **57.1545, 60.1310, 65.4826**.

A 20% lighter version of the original color is **65.7679, 85.8906, 62.9814**, and **23.6164, 41.6294, 15.1781** is the 20% darker color. If you saturate the color by 10%, you get **44.1918, 75.5192, 28.0171**, and if you desaturate by 10%, it is **55.1929, 80.7999, 46.1794**.

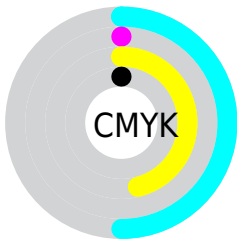
Distribution



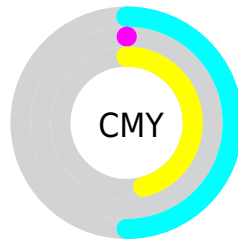
- Red (50%)
- Green (100%)
- Blue (54%)



- Red (50%)
- Yellow (96%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0278, 77.8382, 36.1072 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 49.0278, 77.8382, 36.1072 by changing the saturation by 10% instead.


 49.0278, 77.8382,
36.1072


 49.0278, 77.8382,
36.1072


373.3669,
487.6172, 344.4804


 34.8562, 57.9411,
24.2267


 87.9332, 130.3220,
70.3684

 23.7181, 41.7613,
15.2881


 113.3977,
163.6775, 93.5861

 15.2482, 28.9144,
8.8730


 143.3572,
202.2879, 121.4200

 9.0812, 19.0161,
4.5627

178.1770,
246.5375, 154.2886

 4.8517, 11.6819,
1.9389

218.2225,
296.8109, 192.6103

 2.1944, 6.5275,
0.5173

263.8591,

 0.7398, 3.1684,

353.4924, 236.8039

0.0000

315.4521,
416.9663, 287.2877

0.0000, 1.2203,
0.0000

0.0000, 0.0782,
0.0000

49.0278, 77.8382,
36.1072

49.0278, 77.8382,
36.1072

44.1918, 75.5192,
28.0171

55.1929, 80.7999,
46.1794

40.5856, 73.7945,
21.7750

62.7740, 84.4466,
58.3487

38.0979, 72.6100,
17.2361

71.8522, 88.8178,
72.7254

36.5965, 71.9009,
14.2324

82.5020, 93.9496,
89.4115

■ 35.8856, 71.5702,
12.5815

94.7928, 99.8760,
108.5021

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.



61.1591, 77.8382, 20.7333



49.0278, 77.8382, 36.1072



43.7719, 77.8382, 71.7095

Triad

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



49.0278, 77.8382, 36.1072



69.2762, 77.8382, 233.1825



112.4694, 77.8382, 51.3718

Complementary

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



49.0278, 77.8382, 36.1072



65.3107, 43.0315, 91.2482

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.



115.6285, 77.8382, 99.2885



49.0278, 77.8382, 36.1072



88.4845, 77.8382, 220.1217

Square

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



49.0278, 77.8382, 36.1072



54.1102, 77.8382, 195.1048



106.2289, 77.8382, 164.5591



98.2078, 77.8382, 26.6021

Rectangle

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



49.0278, 77.8382, 36.1072



44.1275, 77.8382, 108.6493



106.2289, 77.8382, 164.5591



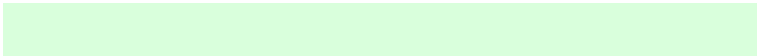
114.9522, 77.8382, 64.6449

Sweetspot

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



49.0282, 77.8384, 36.1084



77.1847, 91.3869, 81.1004



77.7608, 92.7297, 33.8793



16.0465, 19.3321, 16.6152



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

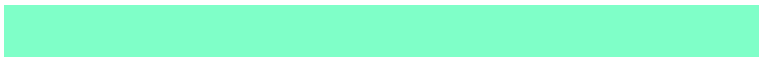
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0282, 77.8384, 36.1084



44.2742, 75.5587, 28.1572



54.8835, 80.1805, 66.9421



17.8292, 20.1912, 19.4033



18.7712, 37.4051, 6.6804



1.8466, 3.6496, 0.7502

Inverse Universe

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



65.3107, 43.0315, 91.2482



62.1757, 37.2365, 88.7395



57.3214, 39.8358, 49.1776



18.7278, 18.2744, 22.4498



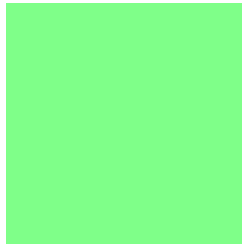
29.4155, 14.2555, 42.4341



2.8816, 1.3950, 4.2236

Previews

White Background



This preview shows how the XYZ color 49.0278, 77.8382, 36.1072 looks on a white background.

Color Contrast Check

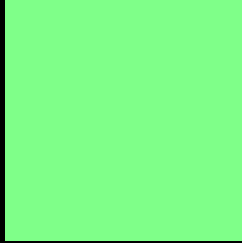
Large Text (above 18pt) WCAG AA × Fail

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 49.0278, 77.8382, 36.1072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

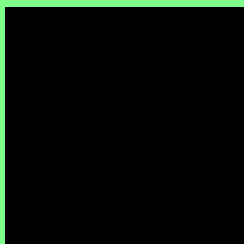
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0278, 77.8382, 36.1072

Background



This preview shows how black text looks on a background with the XYZ color 49.0278, 77.8382, 36.1072.

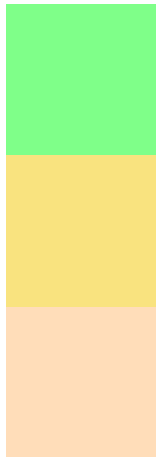


This preview shows how white text looks on a background with the XYZ color 49.0278, 77.8382,

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

49.0278, 77.8382, 36.1072

Protanopia

70.3668, 76.6102, 31.1572

Deuteranopia

75.8534, 76.4757, 56.6623



Tritanopia

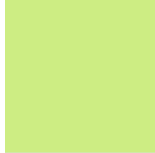
65.4941, 77.4991, 106.1147

Trichromacy



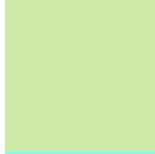
Original Color

49.0278, 77.8382, 36.1072



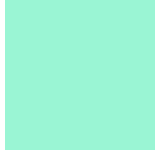
Protanomaly

59.5578, 75.1862, 32.8461



Deuteranomaly

62.2192, 74.5149, 48.1493



Tritanomaly

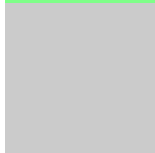
57.8625, 76.9283, 74.0863

Monochromacy



Original Color

49.0278, 77.8382, 36.1072



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.9372, 64.6112, 52.3817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0278, 77.8382, 36.1072 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(127, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 137)  
}
```

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(127, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 49.0278, 77.8382, 36.1072 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(127, 255, 137) }
```


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

```
.border{ border-color:rgb(127, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0278, 77.8382, 36.1072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 137) }
```

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

```
.background{ background-color: rgb(127,  
255, 137) }
```

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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