

Converting Colors

XYZ(49.6933, 78.2964, 30.9358)

Have a look what the booklet for
XYZ(49.6933, 78.2964, 30.9358)
contains.

XYZ(49.7541, 78.3284, 30.9089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7541, 78.3284,
30.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	8AFF7A
RGB	138, 255, 122
RGB Percent	54%, 100%, 48%
CMY	0.4588, 0.0000, 0.5216
CMYK	0.46, 0.00, 0.52, 0.00
HSL	113°, 100%, 74%
HSV	113°, 52%, 100%
XYZ	49.7541, 78.3284, 30.9089
YIQ	204.8550, -27.0390, -66.1670

Conversions

Conversions Part 2

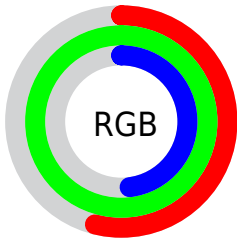
Format	Color
RYB	122, 255, 239
Decimal	9109370
CIELab	90.93, -57.94, 52.92
CIElCh	91, 78.468, 137.593
Yxy	78.3284, 0.3129, 0.4927
Android (android.graphics.Color)	4287299450 (0xFF8AFF7A)
YUV	204.8550, -40.8475, -58.6318
Hunter-Lab	88.5033, -54.5331, 41.2459

Details

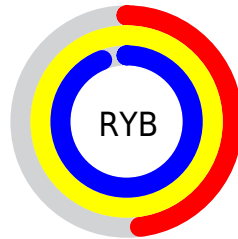
The XYZ color **49.7541, 78.3284, 30.9089** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **60.6075, 39.4912, 99.0359**, and the grayscale version is **58.1998, 61.2308, 66.6803**.

A 20% lighter version of the original color is **66.7218, 86.5646, 54.7870**, and **24.1010, 41.9400, 12.4552** is the 20% darker color. If you saturate the color by 10%, you get **45.0398, 76.0573, 23.4950**, and if you desaturate by 10%, it is **55.6501, 81.1608, 40.5439**.

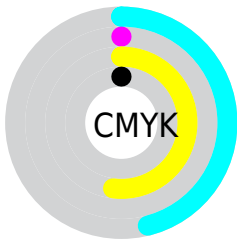
Distribution



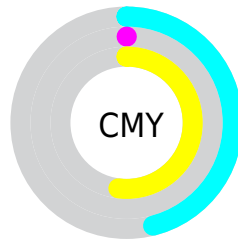
- Red (54%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (94%)



- Cyan (46%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7541, 78.3284, 30.9089 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 49.7541, 78.3284, 30.9089 by changing the saturation by 10% instead.


 49.7541, 78.3284,
30.9089


 49.7541, 78.3284,
30.9089


376.1714,
489.2814, 320.4566


 35.4351, 58.3438,
20.2716


 89.0044, 131.0130,
62.1745

 24.1663, 42.0851,
12.4066


 114.6664,
164.4817, 83.6399

 15.5824, 29.1679,
6.8953


 144.8401,
203.2139, 109.5517

 9.3181, 19.2079,
3.3193

179.8909,
247.5941, 140.3286

 5.0080, 11.8206,
1.2599

220.1840,
298.0065, 176.3889

 2.2868, 6.6216,
0.0286

266.0849,

 0.7879, 3.2266,

354.8356, 218.1514

0.0000

317.9590,
418.4657, 266.0344

0.0000, 1.2512,
0.0000

0.0000, 0.1029,
0.0000

49.7541, 78.3284,
30.9089

49.7541, 78.3284,
30.9089

45.0398, 76.0573,
23.4950

55.6501, 81.1608,
40.5439

41.4254, 74.3092,
18.1216


62.7998, 84.5882,
52.5542


38.8202, 73.0417,
14.5862

71.2707, 88.6422,
67.0844

37.1180, 72.2055,
12.6427

81.1250, 93.3522,
84.2666

 36.3153, 71.8062,
11.9460

 92.4210, 98.7455,
104.2236

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.



63.5370, 78.3284, 17.9006



49.7541, 78.3284, 30.9089



43.1450, 78.3284, 63.9634

Triad

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



49.7541, 78.3284, 30.9089



66.5743, 78.3284, 241.9778



116.8950, 78.3284, 56.4240

Complementary

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



49.7541, 78.3284, 30.9089



60.6075, 39.4912, 99.0359

Split Complementary

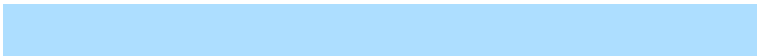
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.1021, 78.3284, 110.8885



49.7541, 78.3284, 30.9089



86.5434, 78.3284, 236.9025

Square

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



49.7541, 78.3284, 30.9089



51.6370, 78.3284, 193.6111



106.2022, 78.3284, 181.8238



103.1490, 78.3284, 27.5007

Rectangle

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



49.7541, 78.3284, 30.9089



42.7606, 78.3284, 100.5002



106.2022, 78.3284, 181.8238



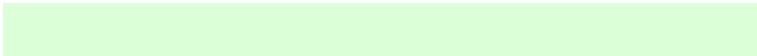
118.8581, 78.3284, 71.6909

Sweetspot

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



49.7544, 78.3286, 30.9101



77.1690, 91.4620, 77.3390



75.1147, 83.3884, 30.5501



16.0825, 19.3688, 15.7954



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

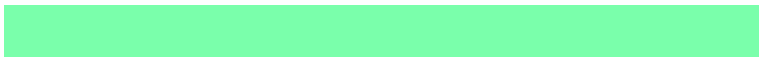
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7544, 78.3286, 30.9101



44.6932, 75.8900, 22.9649



51.1152, 78.5893, 50.8879



17.9745, 20.2727, 19.1100



19.0388, 37.5529, 6.2450



1.9153, 3.6881, 0.6109

Inverse Universe

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



60.6075, 39.4912, 99.0359



56.5686, 33.0653, 98.0085



59.3691, 39.6476, 63.0657



18.5649, 18.1830, 22.7811



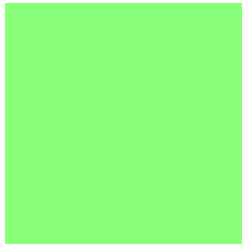
25.6324, 12.1244, 50.4239



2.5538, 1.2104, 4.9123

Previews

White Background



This preview shows how the XYZ color 49.7541, 78.3284, 30.9089 looks on a white background.

Color Contrast Check

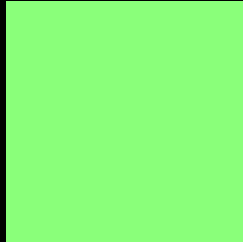
Large Text (above 18pt) WCAG AA × Fail

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 49.7541, 78.3284, 30.9089 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 49.7541, 78.3284, 30.9089

Background



This preview shows how black text looks on a background with the XYZ color 49.7541, 78.3284, 30.9089.

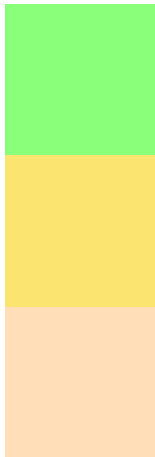


This preview shows how white text looks on a background with the XYZ color 49.7541, 78.3284,

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

49.7541, 78.3284, 30.9089

Protanopia

70.8689, 77.3745, 26.8224

Deuteranopia

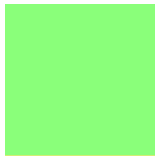
76.0130, 76.9632, 56.1965



Tritanopia

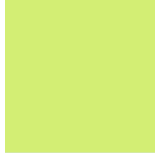
66.5290, 77.5992, 106.0794

Trichromacy



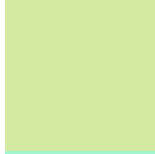
Original Color

49.7541, 78.3284, 30.9089



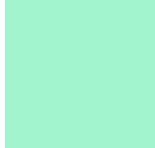
Protanomaly

60.5909, 76.2589, 28.0490



Deuteranomaly

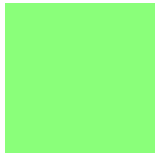
63.0072, 75.4159, 44.9541



Tritanomaly

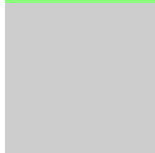
58.5135, 76.8877, 70.7883

Monochromacy



Original Color

49.7541, 78.3284, 30.9089



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.1816, 65.6943, 50.4347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7541, 78.3284, 30.9089 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(138, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 122)  
}
```

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(138, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 49.7541, 78.3284, 30.9089 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(138, 255, 122) }
```


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

```
.border{ border-color:rgb(138, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7541, 78.3284, 30.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 122) }
```

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

```
.background{ background-color: rgb(138,  
255, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor