

# Converting Colors

XYZ(49.8537, 79.3849, 28.6437)

Have a look what the booklet for  
XYZ(49.8537, 79.3849, 28.6437)  
contains.

<b>XYZ(49.2785, 78.1382, 28.4045)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(49.2785, 78.1382,  
28.4045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFF72
RGB	138, 255, 114
RGB Percent	54%, 100%, 45%
CMY	0.4588, 0.0000, 0.5529
CMYK	0.46, 0.00, 0.55, 0.00
HSL	110°, 100%, 72%
HSV	110°, 55%, 100%
XYZ	49.2785, 78.1382, 28.4045
YIQ	203.9430, -24.4710, -68.6550

# Conversions

## Conversions Part 2

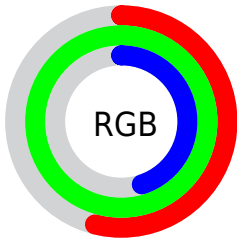
Format	Color
<a href="#">RYB</a>	<a href="#">114, 255, 231</a>
Decimal	<a href="#">9109362</a>
CIELab	<a href="#">90.84, -58.85, 56.42</a>
CIElCh	<a href="#">91, 81.528, 136.210</a>
Yxy	<a href="#">78.1382, 0.3163, 0.5015</a>
Android (android.graphics.Color)	<a href="#">4287299442 (0xFF8AFF72)</a>
YUV	<a href="#">203.9430, -44.3419, -57.8320</a>
Hunter-Lab	<a href="#">88.3958, -55.1833, 42.8252</a>

# Details

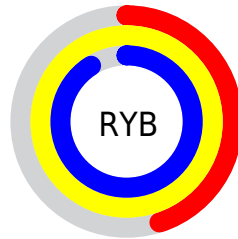
The XYZ color **49.2785, 78.1382, 28.4045** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **57.0239, 36.2450, 98.5982**, and the grayscale version is **57.6408, 60.6427, 66.0399**.

A 20% lighter version of the original color is **66.2101, 86.3903, 50.7215**, and **23.8424, 41.8365, 11.0936** is the 20% darker color. If you saturate the color by 10%, you get **44.8571, 76.0038, 21.6483**, and if you desaturate by 10%, it is **54.7870, 80.7862, 37.3253**.

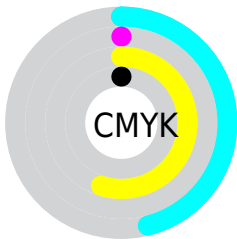
# Distribution



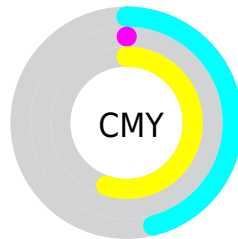
- Red (54%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (91%)



- Cyan (46%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2785, 78.1382, 28.4045 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 49.2785, 78.1382, 28.4045 by changing the saturation by 10% instead.





 49.2785, 78.1382,  
28.4045


 49.2785, 78.1382,  
28.4045


374.3365,  
488.6360, 308.3673


 35.0559, 58.1875,  
18.3891


 88.3032, 130.7449,  
58.1605

 23.8727, 41.9594,  
11.0574


 113.8360,  
164.1697, 78.7381

 15.3634, 29.0695,  
5.9908


 143.8695,  
202.8547, 103.6736

 9.1628, 19.1334,  
2.7708

178.7692,  
247.1843, 133.3854

 4.9055, 11.7667,  
0.9788

218.9004,  
297.5428, 168.2922

 2.2261, 6.5850,  
0.0000

264.6285,

 0.7564, 3.2040,

354.3147, 208.8124

0.0000

316.3187,  
417.8843, 255.3646

0.0000, 1.2391,  
0.0000

0.0000, 0.0933,  
0.0000

49.2785, 78.1382,  
28.4045

49.2785, 78.1382,  
28.4045

44.8571, 76.0038,  
21.6483

54.7870, 80.7862,  
37.3253

41.4476, 74.3484,  
16.8694


61.4490, 83.9786,  
48.5700


38.9662, 73.1333,  
13.8545

69.3263, 87.7440,  
62.2869

37.3136, 72.3132,  
12.3392

78.4760, 92.1090,  
78.6111

 36.7731, 72.0423,  
11.9674

 88.9517, 97.0985,  
97.6679

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.



63.7925, 78.1382, 16.1756



49.2785, 78.1382, 28.4045



42.1702, 78.1382, 60.8931

# Triad

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



49.2785, 78.1382, 28.4045



65.2571, 78.1382, 248.6961



118.9468, 78.1382, 57.2808

# Complementary

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



49.2785, 78.1382, 28.4045



57.0239, 36.2450, 98.5982

# Split Complementary

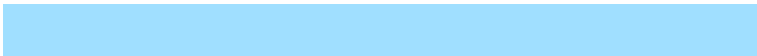
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.5378, 78.1382, 114.9467



49.2785, 78.1382, 28.4045



85.8319, 78.1382, 246.1809

# Square

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



49.2785, 78.1382, 28.4045



50.1798, 78.1382, 195.4517



106.5350, 78.1382, 189.6385



105.0442, 78.1382, 26.8121



# Rectangle

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



49.2785, 78.1382, 28.4045



41.5523, 78.1382, 97.8924



106.5350, 78.1382, 189.6385



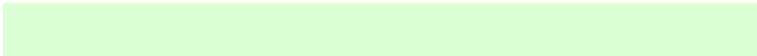
120.7858, 78.1382, 73.4360

# Sweetspot

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



49.2788, 78.1383, 28.4057



76.8213, 91.3202, 75.6338



72.3385, 78.5971, 27.2789



16.0367, 19.3526, 15.4606



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.



49.2788, 78.1383, 28.4057



44.5835, 75.8714, 21.2475



48.9278, 77.5888, 45.0405



18.0596, 20.3166, 19.1140



19.2982, 37.6867, 6.2571



1.9554, 3.7088, 0.6128



# Inverse Universe

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



57.0239, 36.2450, 98.5982



52.9099, 30.2144, 97.6510



58.9344, 37.9662, 65.4245



18.4714, 18.1348, 22.7768



23.6703, 11.1130, 50.3320

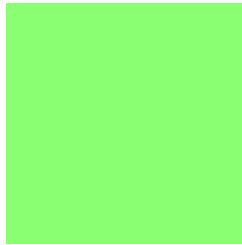


2.3813, 1.1215, 4.9042



# Previews

## White Background



This preview shows how the XYZ color 49.2785, 78.1382, 28.4045 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 49.2785, 78.1382, 28.4045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

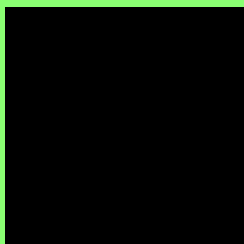
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.2785, 78.1382, 28.4045**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2785, 78.1382, 28.4045.



This preview shows how white text looks on a background with the XYZ color 49.2785, 78.1382,



# 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

49.2785, 78.1382, 28.4045

### Protanopia

70.4381, 77.2022, 24.5536

### Deuteranopia

75.9085, 76.9214, 55.6463



## Tritanopia

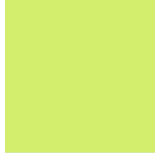
66.3037, 77.4830, 106.0689

# Trichromacy



## Original Color

49.2785, 78.1382, 28.4045



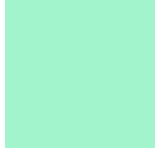
## Protanomaly

60.1453, 76.0807, 25.7024



## Deuteranomaly

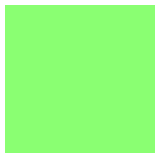
62.7458, 75.3113, 43.5772



## Tritanomaly

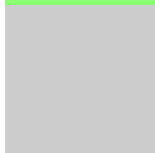
58.1501, 76.7424, 68.8747

# Monochromacy



## Original Color

49.2785, 78.1382, 28.4045



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

52.5608, 65.4189, 48.3849

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2785, 78.1382, 28.4045 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2785, 78.1382, 28.4045 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, 114) }
```



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

```
.border{ border-color:rgb(138, 255, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2785, 78.1382, 28.4045 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, 114) }
```

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

```
.background{ background-color: rgb(138,  
255, 114) }
```

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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