

# Converting Colors

XYZ(53.8739, 86.6176, 61.7163)

Have a look what the booklet for  
XYZ(53.8739, 86.6176, 61.7163)  
contains.

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# Color

**XYZ(49.2507, 77.4262,  
59.9259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CFFBC
RGB	92, 255, 188
RGB Percent	36%, 100%, 74%
CMY	0.6392, 0.0000, 0.2627
CMYK	0.64, 0.00, 0.26, 0.00
HSL	155°, 100%, 68%
HSV	155°, 64%, 100%
XYZ	49.2507, 77.4262, 59.9259
YIQ	198.6250, -75.6410, -55.3930

# Conversions

## Conversions Part 2

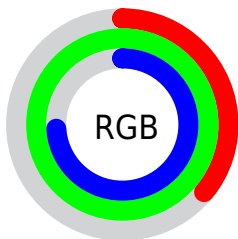
Format	Color
<b>RYB</b>	92, 195, 255
Decimal	6094780
CIELab	90.52, -57.53, 19.75
CIELCh	91, 60.822, 161.052
Yxy	77.4262, 0.2639, 0.4149
Android (android.graphics.Color)	4284284860 (0xFF5CFFBC)
YUV	198.6250, -5.2381, -93.5101
Hunter-Lab	87.9922, -54.0768, 21.2158

# Details

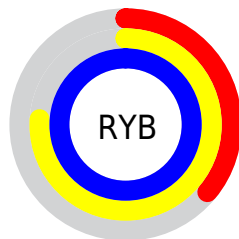
The XYZ color **49.2507, 77.4262, 59.9259** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **51.3256, 31.4182, 36.1607**, and the grayscale version is **54.1213, 56.9398, 62.0074**.

A 20% lighter version of the original color is **65.9938, 85.2198, 98.5588**, and **24.3394, 41.6818, 29.6842** is the 20% darker color. If you saturate the color by 10%, you get **46.0287, 75.8910, 54.0901**, and if you desaturate by 10%, it is **53.4129, 79.4365, 66.2367**.

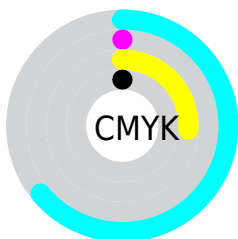
# Distribution



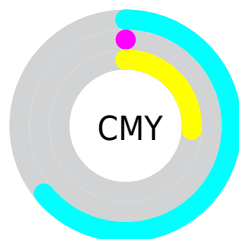
- Red (36%)
- Green (100%)
- Blue (74%)



- Red (36%)
- Yellow (76%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2507, 77.4262, 59.9259 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 49.2507, 77.4262, 59.9259 by changing the saturation by 10% instead.





 49.2507, 77.4262,  
59.9259


 49.2507, 77.4262,  
59.9259

374.2290,  
486.2159, 442.1216


 35.0337, 57.6027,  
42.9340

 88.2622, 129.7409,  
106.2645


 23.8555, 41.4894,  
29.5023


 113.7874,  
163.0010, 136.4483

 15.3506, 28.7017,  
19.2123


 143.8128,  
201.5087, 171.8664

 9.1537, 18.8552,  
11.6454

 178.7036,  
245.6485, 212.9375

 4.8995, 11.5657,  
6.3831

218.8253,  
295.8047, 260.0800

 2.2226, 6.4487,  
3.0069

264.5432,

 0.7546, 3.1198,

352.3617, 313.7125

1.0982

316.2227,  
415.7040, 374.2535

■ 0.0000, 1.1946,  
0.0000

■ 0.0000, 0.0573,  
0.0000

■ 49.2507, 77.4262,  
59.9259

■ 49.2507, 77.4262,  
59.9259

■ 46.0287, 75.8910,  
54.0901

■ 53.4129, 79.4365,  
66.2367

■ 43.6533, 74.7830,  
48.7121


■ 58.5927, 81.9617,  
73.0311


■ 42.0134, 74.0451,  
43.7785

■ 64.8610, 85.0383,  
80.3221

■ 41.2800, 73.7280,  
40.9877

■ 72.2819, 88.6990,  
88.1210

 80.9143, 92.9740,  
96.4386

 90.8129, 97.8913,  
105.2854

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.



56.0065, 77.4262, 35.6013



49.2507, 77.4262, 59.9259



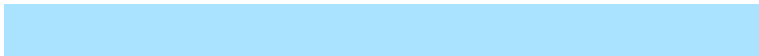
48.4574, 77.4262, 101.4011

# Triad

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



49.2507, 77.4262, 59.9259



79.3412, 77.4262, 196.1258



97.9233, 77.4262, 40.3925

# Complementary

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



49.2507, 77.4262, 59.9259



51.3256, 31.4182, 36.1607

# 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.



106.1891, 77.4262, 69.2455



49.2507, 77.4262, 59.9259



94.5181, 77.4262, 164.5574

# Square

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



49.2507, 77.4262, 59.9259



64.4971, 77.4262, 190.9307



104.8636, 77.4262, 114.5318



83.5024, 77.4262, 27.3069



# Rectangle

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



49.2507, 77.4262, 59.9259



51.2717, 77.4262, 135.3089



104.8636, 77.4262, 114.5318



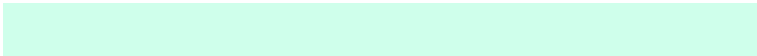
101.5979, 77.4262, 48.0600

# Sweetspot

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



49.2513, 77.4264, 59.9272



76.3743, 90.7238, 92.1479



52.1729, 79.7580, 22.7711



15.8303, 19.1627, 19.2191



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.



49.2513, 77.4264, 59.9272



45.2115, 75.5066, 52.3855



54.0429, 72.6532, 105.7829



18.2205, 20.3477, 21.4639



21.6457, 38.5549, 21.8174



2.1619, 3.7757, 2.4104



# Inverse Universe

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



51.3256, 31.4182, 36.1607



47.4724, 26.2266, 27.1234



48.2835, 32.2559, 13.8072



18.3189, 18.1109, 20.2966



22.9460, 11.6677, 8.3658

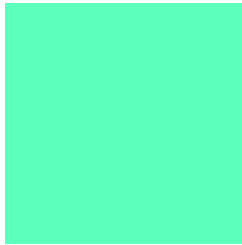


2.2869, 1.1571, 1.0921



# Previews

## White Background



This preview shows how the XYZ color 49.2507, 77.4262, 59.9259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

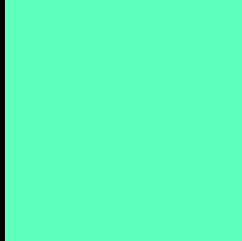
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2507, 77.4262, 59.9259 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 49.2507, 77.4262, 59.9259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2507, 77.4262, 59.9259.



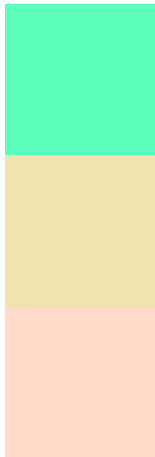
This preview shows how white text looks on a background with the XYZ color 49.2507, 77.4262, 59.9259.



# 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

49.2507, 77.4262, 59.9259

### Protanopia

71.1120, 76.1495, 50.9947

### Deuteranopia

76.7367, 75.5729, 65.1862



## Tritanopia

63.1147, 76.7083, 106.0874

# Trichromacy



## Original Color

49.2507, 77.4262, 59.9259



## Protanomaly

58.9144, 74.3878, 53.9010



## Deuteranomaly

61.3047, 72.8731, 63.0594



## Tritanomaly

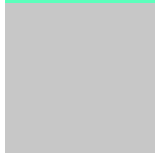
56.7491, 76.0609, 87.2915

# Monochromacy



## Original Color

49.2507, 77.4262, 59.9259



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

49.6790, 62.0767, 60.9934

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2507, 77.4262, 59.9259 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(92, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(92, 255, 188)  
}
```

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(92, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 255, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2507, 77.4262, 59.9259 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".

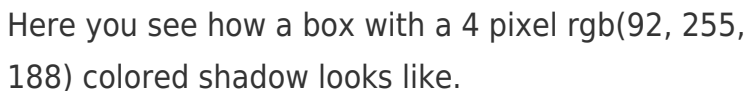
```
.border, #border, table{ border:4px solid rgb(92, 255, 188) }
```



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

```
.border{ border-color:rgb(92, 255, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(92, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(92, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(92, 255, 188); box-shadow:4px 4px 4px 4px rgb(92, 255, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2507, 77.4262, 59.9259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 255, 188) }
```

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

```
.background{ background-color: rgb(92, 255,  
188) }
```

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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