

# Converting Colors

XYZ(54.2886, 85.2797, 59.1948)

Have a look what the booklet for  
XYZ(54.2886, 85.2797, 59.1948)  
contains.

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# Color

**XYZ(50.7184, 78.2319,  
57.7745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DFFB8
RGB	109, 255, 184
RGB Percent	43%, 100%, 72%
CMY	0.5725, 0.0000, 0.2784
CMYK	0.57, 0.00, 0.28, 0.00
HSL	151°, 100%, 71%
HSV	151°, 57%, 100%
XYZ	50.7184, 78.2319, 57.7745
YIQ	203.2520, -64.2250, -53.0330

# Conversions

## Conversions Part 2

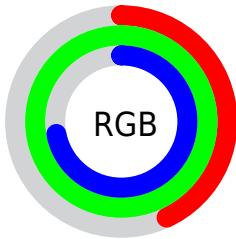
Format	Color
<a href="#">RYB</a>	<a href="#">109, 205, 255</a>
Decimal	<a href="#">7208888</a>
CIELab	<a href="#">90.89, -55.16, 22.37</a>
CIELCh	<a href="#">91, 59.526, 157.926</a>
Yxy	<a href="#">78.2319, 0.2716, 0.4190</a>
Android (android.graphics.Color)	<a href="#">4285398968 (0xFF6DFFB8)</a>
YUV	<a href="#">203.2520, -9.4912, -82.6590</a>
Hunter-Lab	<a href="#">88.4488, -52.4297, 23.1861</a>

# Details

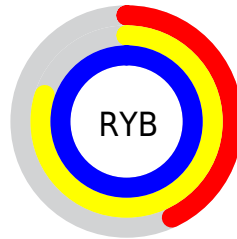
The XYZ color **50.7184, 78.2319, 57.7745** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.9473, 35.4933, 47.1354**, and the grayscale version is **57.0099, 59.9789, 65.3170**.

A 20% lighter version of the original color is **68.0657, 86.3573, 95.5193**, and **24.7227, 41.9113, 28.2594** is the 20% darker color. If you saturate the color by 10%, you get **46.7800, 76.3453, 51.1000**, and if you desaturate by 10%, it is **55.6817, 80.6337, 65.0944**.

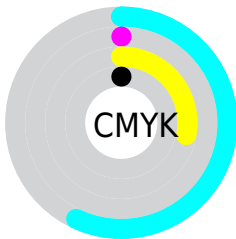
# Distribution



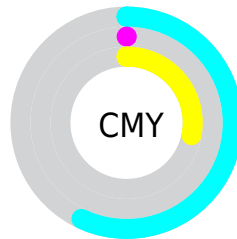
- Red (43%)
- Green (100%)
- Blue (72%)



- Red (43%)
- Yellow (80%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7184, 78.2319, 57.7745 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 50.7184, 78.2319, 57.7745 by changing the saturation by 10% instead.





 50.7184, 78.2319,  
57.7745


 50.7184, 78.2319,  
57.7745


379.8744,  
488.9540, 433.9199


 36.2047, 58.2645,  
41.2139


 90.4239, 130.8770,  
103.1059

 24.7632, 42.0213,  
28.1653


 116.3463,  
164.3234, 132.7138

 16.0285, 29.1180,  
18.2102


 146.8024,  
203.0317, 167.5079

 9.6353, 19.1701,  
10.9300

182.1574,  
247.3862, 207.9067

 5.2182, 11.7933,  
5.9062

222.7768,  
297.7713, 254.3288

 2.4119, 6.6031,  
2.7203

269.0258,

 0.8511, 3.2151,

354.5713, 307.1926

0.9536

321.2699,  
418.1708, 366.9168

0.0000, 1.2450,  
0.0000

0.0000, 0.0980,  
0.0000

50.7184, 78.2319,  
57.7745

50.7184, 78.2319,  
57.7745

46.7800, 76.3453,  
51.1000

55.6817, 80.6337,  
65.0944

43.7806, 74.9298,  
45.0479


61.7422, 83.5876,  
73.0740


41.6222, 73.9355,  
39.5991

68.9676, 87.1283,  
81.7317

40.1787, 73.2976,  
34.7310

77.4194, 91.2872,  
91.0841

 39.8564, 73.1585,  
33.4911

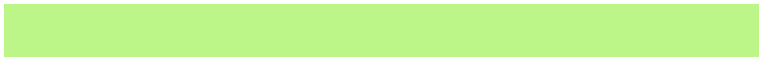
 87.1548, 96.0933,  
101.1472

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.



58.0116, 78.2319, 35.2516



50.7184, 78.2319, 57.7745



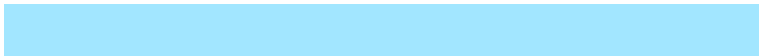
49.3080, 78.2319, 97.0781

# Triad

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



50.7184, 78.2319, 57.7745



78.4027, 78.2319, 195.8800



99.4874, 78.2319, 43.8527

# Complementary

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



50.7184, 78.2319, 57.7745



54.9473, 35.4933, 47.1354

# 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.



106.7122, 78.2319, 74.2984



50.7184, 78.2319, 57.7745



93.5162, 78.2319, 168.2899

# Square

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



50.7184, 78.2319, 57.7745



64.0433, 78.2319, 186.8551



104.3916, 78.2319, 120.1188



85.7227, 78.2319, 29.3008



# Rectangle

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



50.7184, 78.2319, 57.7745



51.6881, 78.2319, 129.9816



104.3916, 78.2319, 120.1188



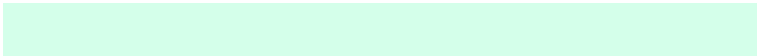
102.8402, 78.2319, 52.0768

# Sweetspot

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



50.7191, 78.2322, 57.7758



77.6502, 91.4009, 91.3305



57.8123, 82.5695, 27.3594



16.2338, 19.3731, 19.1334



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.



50.7191, 78.2322, 57.7758



46.1911, 76.0654, 49.9987



60.1171, 81.9914, 107.2652



18.1611, 20.3240, 21.1514



20.9016, 38.2572, 17.8990



2.0903, 3.7471, 2.0335



# Inverse Universe

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



54.9473, 35.4933, 47.1354



50.7960, 29.5618, 38.4421



49.4695, 33.3022, 18.2896



18.3775, 18.1343, 20.6049



23.5248, 11.8992, 11.4138

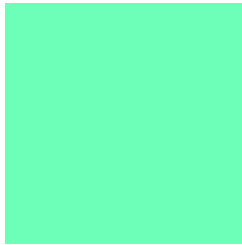


2.3455, 1.1806, 1.4007



# Previews

## White Background



This preview shows how the XYZ color 50.7184, 78.2319, 57.7745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

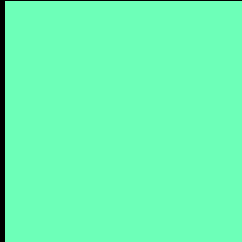
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.7184, 78.2319, 57.7745 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 50.7184, 78.2319, 57.7745**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.7184, 78.2319, 57.7745.



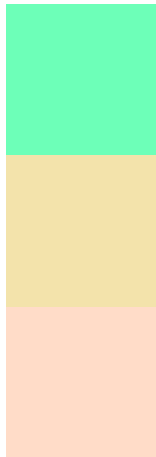
This preview shows how white text looks on a background with the XYZ color 50.7184, 78.2319,



# 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

50.7184, 78.2319, 57.7745

### Protanopia

71.7819, 76.9331, 49.5943

### Deuteranopia

77.2585, 76.6165, 65.3601



## Tritanopia

64.7271, 77.5395, 106.1629

# Trichromacy



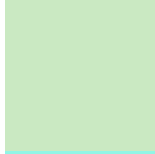
## Original Color

50.7184, 78.2319, 57.7745



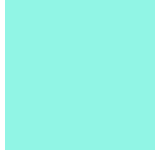
## Protanomaly

60.3688, 75.1723, 52.4022



## Deuteranomaly

63.2336, 74.7294, 62.1304



## Tritanomaly

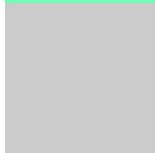
58.4723, 76.9817, 85.9059

# Monochromacy



## Original Color

50.7184, 78.2319, 57.7745



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

52.4473, 64.6631, 61.9415

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7184, 78.2319, 57.7745 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(109, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 184)  
}
```

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(109, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7184, 78.2319, 57.7745 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(109, 255, 184) }
```



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

```
.border{ border-color:rgb(109, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7184, 78.2319, 57.7745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 184) }
```

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

```
.background{ background-color: rgb(109,  
255, 184) }
```

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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