

# Converting Colors

XYZ(57.7058, 75.9248, 75.2319)

Have a look what the booklet for  
XYZ(57.7058, 75.9248, 75.2319)  
contains.

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# Color

**XYZ(57.7058, 75.9248,  
75.2319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BF3D6
RGB	155, 243, 214
RGB Percent	61%, 95%, 84%
CMY	0.3921, 0.0470, 0.1608
CMYK	0.36, 0.00, 0.12, 0.05
HSL	160°, 79%, 78%
HSV	160°, 36%, 95%
XYZ	57.7058, 75.9248, 75.2319
YIQ	213.3820, -43.1390, -27.6750

# Conversions

## Conversions Part 2

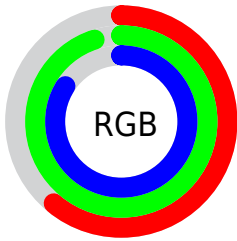
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 208, 243
Decimal	10220502
CIE <sub>Lab</sub>	89.82, -32.76, 5.64
CIE <sub>LCh</sub>	90, 33.242, 170.224
Y <sub>xy</sub>	75.9248, 0.2763, 0.3635
Android (android.graphics.Color)	4288410582 (0xFF9BF3D6)
YUV	213.3820, 0.3047, -51.2010
Hunter-Lab	87.1348, -34.2728, 9.8036

# Details

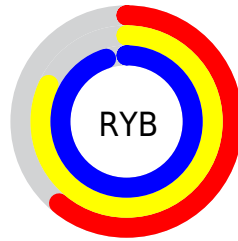
The XYZ color **57.7058, 75.9248, 75.2319** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.3379, 45.9601, 51.1996**, and the grayscale version is **63.5221, 66.8301, 72.7780**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **29.0724, 40.3303, 39.0531** is the 20% darker color. If you saturate the color by 10%, you get **52.5058, 73.3614, 69.7810**, and if you desaturate by 10%, it is **63.8988, 78.9983, 80.9951**.

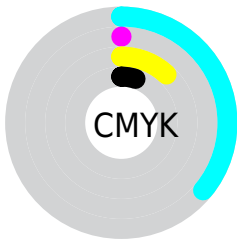
# Distribution



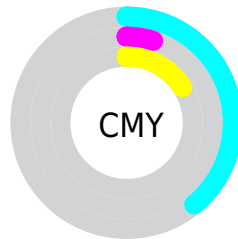
- Red (61%)
- Green (95%)
- Blue (84%)



- Red (61%)
- Yellow (82%)
- Blue (95%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (39%)
- Magenta (5%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7058, 75.9248, 75.2319 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 57.7058, 75.9248, 75.2319 by changing the saturation by 10% instead.



57.7058, 75.9248,  
75.2319

57.7058, 75.9248,  
75.2319

406.0603,  
481.0902, 497.9909

41.8145, 56.3708,  
55.3000

100.6197,  
127.6206, 128.3907

29.1466, 40.5003,  
39.2418

128.3731,  
160.5312, 162.4547

19.3366, 27.9289,  
26.6386

160.8112,  
198.6629, 202.0664

12.0192, 18.2720,  
17.0719

198.2994,  
242.4000, 247.6445

6.8290, 11.1455,  
10.1233

241.2031,  
292.1268, 299.6075

3.4008, 6.1648,  
5.3741


289.8876,

1.3691, 2.9455,


348.2279, 358.3738


2.4058


344.7182,  
411.0876, 424.3621


 0.2340, 1.1034,  
0.7896


 0.0000, 0.0000,  
0.0000


 57.7058, 75.9248,  
75.2319


 57.7058, 75.9248,  
75.2319


 52.5058, 73.3614,  
69.7810


 63.8988, 78.9983,  
80.9951


 48.2350, 71.2693,  
64.6308

 71.1310, 82.5996,  
87.0714

 44.8321, 69.6189,  
59.7763

 79.4532, 86.7569,  
93.4686

 42.2254, 68.3735,  
55.2101

 88.9112, 91.4937,  
100.1922

■ 40.3312, 67.4899,  
50.9244

■ 91.1886, 92.5225,  
106.8565

■ 39.0454, 66.9146,  
46.9102

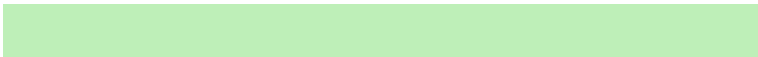
■ 91.3419, 92.5839,  
107.6640

■ 38.6554, 66.7453,  
45.4575

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7049, 75.9248, 56.9990



57.7058, 75.9248, 75.2319



58.3488, 75.9248, 99.2941

# Triad

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



57.7058, 75.9248, 75.2319



77.7570, 75.9248, 132.7307



82.7364, 75.9248, 52.5775

# Complementary

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



57.7058, 75.9248, 75.2319



57.3379, 45.9601, 51.1996

# 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.



88.0045, 75.9248, 68.0120



57.7058, 75.9248, 75.2319



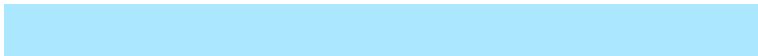
84.9819, 75.9248, 115.0789

# Square

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



57.7058, 75.9248, 75.2319



69.5183, 75.9248, 135.6723



88.8560, 75.9248, 90.5812



74.8764, 75.9248, 45.6565



# Rectangle

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



57.7058, 75.9248, 75.2319



60.7756, 75.9248, 115.4170



88.8560, 75.9248, 90.5812



84.8935, 75.9248, 56.7879

# Sweetspot

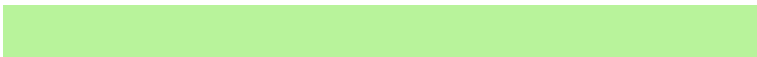
The Sweet Spot groups the original color and five complimentary colors.



57.7079, 75.9279, 75.2336



84.0198, 94.4816, 100.8007



57.8165, 76.7025, 42.7695



17.7154, 20.0889, 21.3684



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

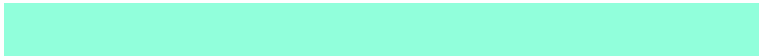


# Same Dimension

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



57.7079, 75.9279, 75.2336



60.2669, 82.6788, 79.7053



57.5328, 69.1129, 95.1054



16.7509, 18.6595, 19.9726



21.2795, 36.6566, 25.2892



1.9176, 3.2407, 2.4719



# Inverse Universe

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



57.3379, 45.9601, 51.1996



59.8096, 44.9742, 49.5072



57.1933, 50.0480, 37.6575



16.7243, 16.5726, 18.2949



21.1379, 10.7986, 5.4346

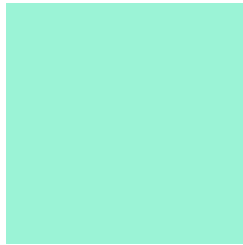


1.9033, 0.9673, 0.7173



# Previews

## White Background



This preview shows how the XYZ color 57.7058, 75.9248, 75.2319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

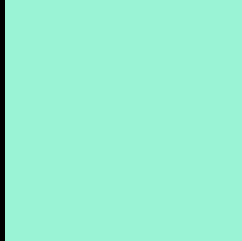
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7058, 75.9248, 75.2319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

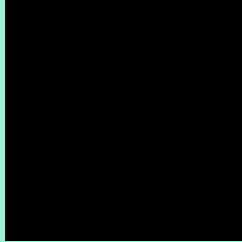
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.7058, 75.9248, 75.2319**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7058, 75.9248, 75.2319.



This preview shows how white text looks on a background with the XYZ color 57.7058, 75.9248,



# 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

57.7058, 75.9248, 75.2319

### Protanopia

71.4864, 75.1634, 67.8670

### Deuteranopia

76.3104, 74.6966, 77.4137



## Tritanopia

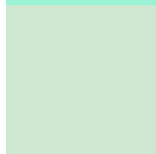
64.2705, 76.0039, 105.8905

# Trichromacy



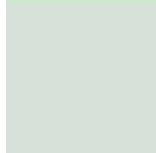
## Original Color

57.7058, 75.9248, 75.2319



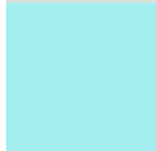
## Protanomaly

65.1379, 74.6850, 70.6570



## Deuteranomaly

67.4523, 73.6986, 76.3158



## Tritanomaly

61.6989, 75.8108, 93.8191

# Monochromacy



## Original Color

57.7058, 75.9248, 75.2319



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

60.4041, 69.3219, 73.1476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7058, 75.9248, 75.2319 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(155, 243, 214)` looks like.

```
.text, #text, p{  
    color:rgb(155, 243, 214)  
}
```

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(155, 243, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 243, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7058, 75.9248, 75.2319 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(155, 243, 214) }
```



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

```
.border{ border-color:rgb(155, 243, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 243, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 243, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 243, 214);  
box-shadow:4px 4px 4px 4px rgb(155, 243,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7058, 75.9248, 75.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 243, 214) }
```

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

```
.background{ background-color: rgb(155,  
243, 214) }
```

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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