

# Converting Colors

XYZ(53.1565, 67.1067, 72.9615)

Have a look what the booklet for  
XYZ(53.1565, 67.1067, 72.9615)  
contains.

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# Color

**XYZ(53.2712, 67.2595,  
73.1255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE4D5
RGB	155, 228, 213
RGB Percent	61%, 89%, 84%
CMY	0.3921, 0.1059, 0.1647
CMYK	0.32, 0.00, 0.07, 0.11
HSL	168°, 57%, 75%
HSV	168°, 32%, 89%
XYZ	53.2712, 67.2595, 73.1255
YIQ	204.4630, -38.6930, -20.1410

# Conversions

## Conversions Part 2

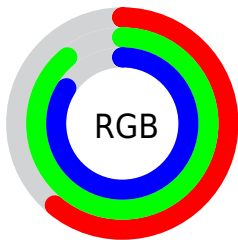
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 196, 228
Decimal	10216661
CIELab	85.63, -25.84, 0.09
CIELCh	86, 25.837, 179.808
Yxy	67.2595, 0.2751, 0.3473
Android (android.graphics.Color)	4288406741 (0xFF9BE4D5)
YUV	204.4630, 4.2087, -43.3791
Hunter-Lab	82.0119, -27.5753, 4.5427

# Details

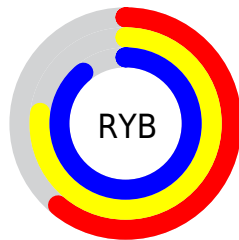
The XYZ color **53.2712, 67.2595, 73.1255** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.9743, 42.8407, 43.6152**, and the grayscale version is **57.6807, 60.6846, 66.0856**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **26.2909, 34.7404, 37.6676** is the 20% darker color. If you saturate the color by 10%, you get **48.7161, 64.9807, 69.8534**, and if you desaturate by 10%, it is **58.6735, 69.9765, 76.5298**.

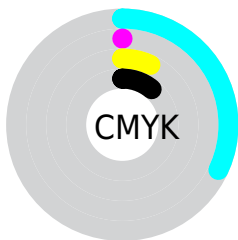
# Distribution



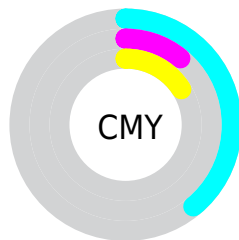
- Red (61%)
- Green (89%)
- Blue (84%)



- Red (61%)
- Yellow (77%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (39%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2712, 67.2595, 73.1255 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 53.2712, 67.2595, 73.1255 by changing the saturation by 10% instead.





 53.2712, 67.2595,  
73.1255


 53.2712, 67.2595,  
73.1255


389.5686,  
450.8679, 490.5321

 38.2477, 49.2955,  
53.5861


 94.1665, 115.2922,  
125.3779

 26.3530, 34.8540,  
37.8800


 120.7690,  
146.1297, 158.9281

 17.2220, 23.5504,  
25.5884

151.9618,  
182.0271, 197.9856

 10.4892, 15.0005,  
16.2930

188.1103,  
223.3690, 242.9689

 5.7892, 8.8197,  
9.5751

229.5799,  
270.5396, 294.2967

 2.7568, 4.6238,  
5.0163

276.7359,

 1.0265, 2.0283,

323.9233, 352.3875

2.1979

329.9437,  
383.9047, 417.6598

■ 0.0000, 0.6238,  
0.6732

■ 0.0000, 0.0000,  
0.0000

■ 53.2712, 67.2595,  
73.1255

■ 53.2712, 67.2595,  
73.1255

■ 48.7161, 64.9807,  
69.8534

■ 58.6735, 69.9765,  
76.5298

■ 44.9556, 63.1079,  
66.7061


■ 64.9604, 73.1458,  
80.0645


■ 41.9403, 61.6173,  
63.6819


■ 72.1739, 76.7907,  
83.7338


■ 39.6127, 60.4792,  
60.7773


■ 80.3516, 80.9307,  
87.5401


 37.9067, 59.6597,  
57.9884

 84.1876, 82.8304,  
91.2359


 36.7429, 59.1178,  
55.3109

 84.8792, 83.1070,  
94.8778

 36.1002, 58.8315,  
53.2481

 85.5888, 83.3909,  
98.6145

 86.3165, 83.6820,  
102.4468

 87.0346, 83.9692,  
106.2282

# Harmonies

## Analogous

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



54.6415, 67.2595, 58.1213



53.2712, 67.2595, 73.1255



54.6073, 67.2595, 90.5459

# Triad

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



53.2712, 67.2595, 73.1255



69.7172, 67.2595, 105.0916



69.7868, 67.2595, 48.6515

# Complementary

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



53.2712, 67.2595, 73.1255



50.9743, 42.8407, 43.6152

# 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.



74.2535, 67.2595, 58.2829



53.2712, 67.2595, 73.1255



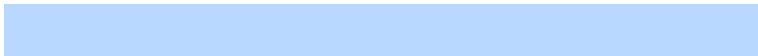
74.2115, 67.2595, 90.7629

# Square

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



53.2712, 67.2595, 73.1255



63.8902, 67.2595, 110.6387



75.9192, 67.2595, 73.3429



63.9661, 67.2595, 45.3820



# Rectangle

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



53.2712, 67.2595, 73.1255



56.9029, 67.2595, 100.8709



75.9192, 67.2595, 73.3429



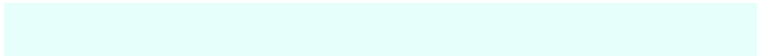
71.5091, 67.2595, 51.1715

# Sweetspot

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



53.2731, 67.2622, 73.1270



85.4505, 95.1474, 104.1064



50.4165, 66.4936, 41.1888



18.0223, 20.2304, 22.1419



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.



53.2731, 67.2622, 73.1270



64.8881, 84.8024, 91.6109



49.9128, 57.3516, 81.8413



14.6739, 16.2830, 17.8134



20.8888, 33.9876, 30.9782



1.5757, 2.5244, 2.4583



# Inverse Universe

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



50.9743, 42.8407, 43.6152



61.5212, 48.9628, 48.3351



53.3768, 49.7892, 37.8085



14.4975, 14.4162, 15.5544



18.8040, 9.6558, 2.5970

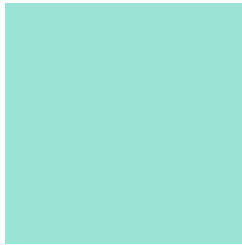


1.4227, 0.7268, 0.3664



# Previews

## White Background



This preview shows how the XYZ color 53.2712, 67.2595, 73.1255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

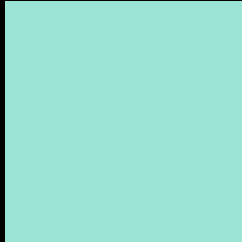
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2712, 67.2595, 73.1255 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

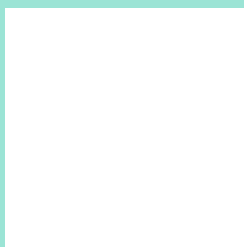
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.2712, 67.2595, 73.1255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2712, 67.2595, 73.1255.



This preview shows how white text looks on a background with the XYZ color 53.2712, 67.2595,

73.1255.

# 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

53.2712, 67.2595, 73.1255

### Protanopia

63.6560, 66.5067, 66.6088

### Deuteranopia

68.1159, 66.7912, 74.9475



## **Tritanopia**

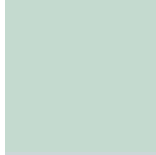
57.5830, 67.4035, 93.9796

# Trichromacy



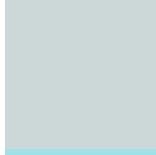
## Original Color

53.2712, 67.2595, 73.1255



## Protanomaly

59.0988, 66.3836, 68.7300



## Deuteranomaly

61.5969, 66.3961, 74.5350



## Tritanomaly

55.6471, 66.9909, 85.5989

# Monochromacy



## Original Color

53.2712, 67.2595, 73.1255



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

55.3064, 62.5326, 68.1865

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2712, 67.2595, 73.1255 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, 228, 213)` looks like.

```
.text, #text, p{  
    color:rgb(155, 228, 213)  
}
```

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, 228, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 228, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2712, 67.2595, 73.1255 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".

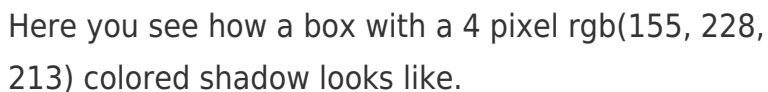
```
.border, #border, table{ border:4px solid rgb(155, 228, 213) }
```



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

```
.border{ border-color:rgb(155, 228, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 228, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 228, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 228, 213); box-shadow:4px 4px 4px 4px rgb(155, 228, 213) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2712, 67.2595, 73.1255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 228, 213) }
```

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

```
.background{ background-color: rgb(155,  
228, 213) }
```

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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