

# Converting Colors

XYZ(53.5510, 67.7275, 79.6378)

Have a look what the booklet for  
XYZ(53.5510, 67.7275, 79.6378)  
contains.

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# Color

**XYZ(53.4169, 67.6084,  
79.3416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94E5DE
RGB	148, 229, 222
RGB Percent	58%, 90%, 87%
CMY	0.4196, 0.1019, 0.1294
CMYK	0.35, 0.00, 0.03, 0.10
HSL	175°, 61%, 74%
HSV	175°, 35%, 90%
XYZ	53.4169, 67.6084, 79.3416
YIQ	203.9830, -46.0290, -19.3490

# Conversions

## Conversions Part 2

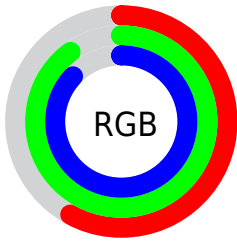
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 190, 229
Decimal	9758174
CIELab	85.81, -26.22, -4.44
CIELCh	86, 26.591, 189.610
Yxy	67.6084, 0.2666, 0.3374
Android (android.graphics.Color)	4287948254 (0xFF94E5DE)
YUV	203.9830, 8.8824, -49.0971
Hunter-Lab	82.2243, -27.9303, 0.3457

# Details

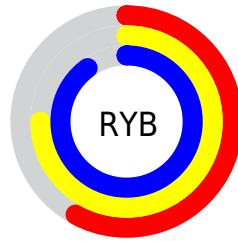
The XYZ color **53.4169, 67.6084, 79.3416** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8218, 40.2064, 36.2005**, and the grayscale version is **57.3519, 60.3386, 65.7088**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **26.4328, 35.0043, 41.9226** is the 20% darker color. If you saturate the color by 10%, you get **49.4141, 65.5771, 77.7786**, and if you desaturate by 10%, it is **58.2461, 70.0688, 80.9625**.

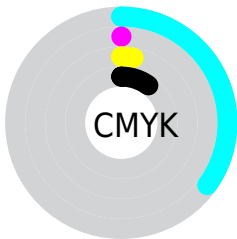
# Distribution



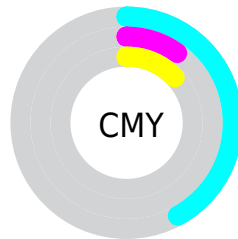
- Red (58%)
- Green (90%)
- Blue (87%)



- Red (58%)
- Yellow (75%)
- Blue (90%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)




- Cyan (42%)
- Magenta (10%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4169, 67.6084, 79.3416 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 53.4169, 67.6084, 79.3416 by changing the saturation by 10% instead.





 53.4169, 67.6084,  
79.3416


 53.4169, 67.6084,  
79.3416

390.1173,  
452.1073, 512.3593

 38.3645, 49.5792,  
58.6537


 94.3795, 115.7918,  
134.2427

 26.4442, 35.0792,  
41.9163

 121.0203,  
146.7147, 169.2930

 17.2907, 23.7239,  
28.7106

152.2548,  
182.7044, 209.9678

 10.5385, 15.1289,  
18.6183

188.4481,  
224.1452, 256.6858

 5.8224, 8.9099,  
11.2208

229.9656,  
271.4215, 309.8654

 2.7770, 4.6825,  
6.0995

277.1728,

 1.0370, 2.0622,

324.9177, 369.9251

2.8359

330.4349,  
385.0181, 437.2836

■ 0.0000, 0.6432,  
1.0115

■ 0.0000, 0.0000,  
0.0000

■ 53.4169, 67.6084,  
79.3416

■ 53.4169, 67.6084,  
79.3416

■ 49.4141, 65.5771,  
77.7786

■ 58.2461, 70.0688,  
80.9625

■ 46.1833, 63.9417,  
76.2665

■ 63.9405, 72.9732,  
82.6387

■ 43.6728, 62.6772,  
74.8042

■ 70.5434, 76.3455,  
84.3738

■ 41.8220, 61.7525,  
73.3889

■ 78.0935, 80.2058,  
86.1697

■ 40.5605, 61.1312,  
72.0173

■ 83.8117, 83.1214,  
87.8963

■ 39.8014, 60.7686,  
70.6851

■ 84.0944, 83.2345,  
89.3851

■ 39.5547, 60.6545,  
70.0787

■ 84.3803, 83.3488,  
90.8906

■ 84.6694, 83.4644,  
92.4129

■ 84.9617, 83.5814,  
93.9521

# Harmonies

## Analogous

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



53.9206, 67.6084, 62.5630



53.4169, 67.6084, 79.3416



55.6742, 67.6084, 97.0694

# Triad

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



53.4169, 67.6084, 79.3416



71.9987, 67.6084, 102.5117



68.4160, 67.6084, 46.4980

# Complementary

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



53.4169, 67.6084, 79.3416



48.8218, 40.2064, 36.2005

# 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.



73.6855, 67.6084, 54.2786



53.4169, 67.6084, 79.3416



75.8427, 67.6084, 85.8954

# Square

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



53.4169, 67.6084, 79.3416



66.2297, 67.6084, 111.7703



76.4788, 67.6084, 68.1690



62.3293, 67.6084, 45.3108

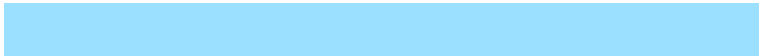


# Rectangle

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



53.4169, 67.6084, 79.3416



58.5298, 67.6084, 106.4068



76.4788, 67.6084, 68.1690



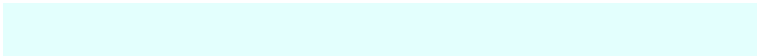
70.3520, 67.6084, 48.3630

# Sweetspot

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



53.4189, 67.6111, 79.3432



85.0848, 94.9076, 106.4086



47.0964, 65.2573, 38.1322



17.9705, 20.1910, 22.7115



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.



53.4189, 67.6111, 79.3432



64.5495, 84.4445, 99.8781



46.2333, 51.7065, 81.6753



14.7509, 16.3138, 18.2189



22.6371, 34.6869, 40.1848



1.6887, 2.5696, 3.0533



# Inverse Universe

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



48.8218, 40.2064, 36.2005



57.9136, 44.8482, 37.5735



54.0629, 51.6027, 35.1294



14.4273, 14.3881, 15.1847



18.5644, 9.5600, 1.3350

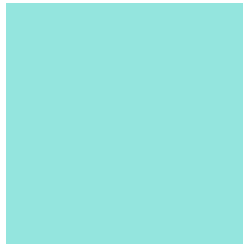


1.3894, 0.7135, 0.1911



# Previews

## White Background



This preview shows how the XYZ color 53.4169, 67.6084, 79.3416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

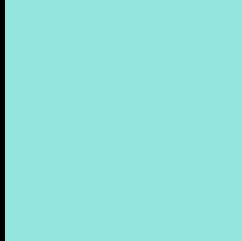
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4169, 67.6084, 79.3416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

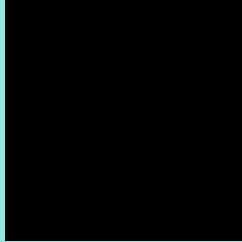
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

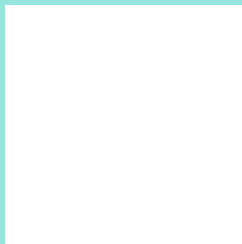
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.4169, 67.6084, 79.3416

## Background



This preview shows how black text looks on a background with the XYZ color 53.4169, 67.6084, 79.3416.



This preview shows how white text looks on a background with the XYZ color 53.4169, 67.6084,



# 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

53.4169, 67.6084, 79.3416

### Protanopia

64.2932, 67.0937, 71.8491

### Deuteranopia

68.1729, 66.6657, 81.9477



## Tritanopia

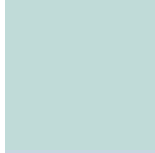
56.6624, 67.6967, 95.6683

# Trichromacy



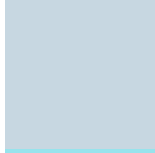
## Original Color

53.4169, 67.6084, 79.3416



## Protanomaly

59.4644, 66.8274, 74.7306



## Deuteranomaly

61.4442, 66.1792, 80.7696



## Tritanomaly

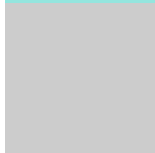
55.3719, 67.5736, 89.4815

# Monochromacy



## Original Color

53.4169, 67.6084, 79.3416



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

55.3193, 62.4820, 70.7726

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4169, 67.6084, 79.3416 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(148, 229, 222)` looks like.

```
.text, #text, p{  
    color:rgb(148, 229, 222)  
}
```

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(148, 229, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 229, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4169, 67.6084, 79.3416 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(148, 229, 222) }
```



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

```
.border{ border-color:rgb(148, 229, 222) }
```

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

Here you see how a box with a 4 pixel rgb(148, 229, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 229, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 229, 222);  
box-shadow:4px 4px 4px 4px rgb(148, 229,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4169, 67.6084, 79.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 229, 222) }
```

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

```
.background{ background-color: rgb(148,  
229, 222) }
```

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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