

# Converting Colors

XYZ(53.4645, 67.3147, 75.1409)

Have a look what the booklet for  
XYZ(53.4645, 67.3147, 75.1409)  
contains.

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# Color

**XYZ(53.4645, 67.3147,  
75.1409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AE4D8
RGB	154, 228, 216
RGB Percent	60%, 89%, 85%
CMY	0.3961, 0.1059, 0.1529
CMYK	0.32, 0.00, 0.05, 0.11
HSL	170°, 58%, 75%
HSV	170°, 32%, 89%
XYZ	53.4645, 67.3147, 75.1409
YIQ	204.5060, -40.2520, -19.4200

# Conversions

## Conversions Part 2

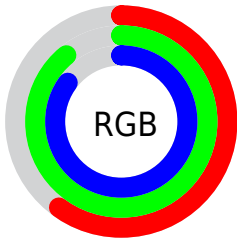
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 194, 228
Decimal	10151128
CIELab	85.66, -25.46, -1.46
CIELCh	86, 25.500, 183.282
Yxy	67.3147, 0.2729, 0.3436
Android (android.graphics.Color)	4288341208 (0xFF9AE4D8)
YUV	204.5060, 5.6665, -44.2938
Hunter-Lab	82.0455, -27.2612, 3.1315

# Details

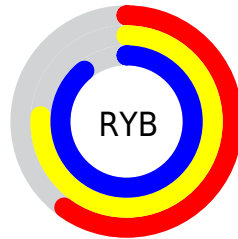
The XYZ color **53.4645, 67.3147, 75.1409** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4358, 42.3602, 41.5971**, and the grayscale version is **57.6998, 60.7047, 66.1074**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **26.4411, 34.7876, 39.0393** is the 20% darker color. If you saturate the color by 10%, you get **49.0580, 65.0994, 72.4681**, and if you desaturate by 10%, it is **58.7098, 69.9646, 77.9120**.

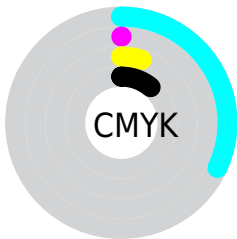
# Distribution



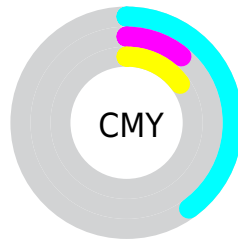
- Red (60%)
- Green (89%)
- Blue (85%)



- Red (60%)
- Yellow (76%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (40%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4645, 67.3147, 75.1409 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 53.4645, 67.3147, 75.1409 by changing the saturation by 10% instead.





 53.4645, 67.3147,  
75.1409


 53.4645, 67.3147,  
75.1409


390.2964,  
451.0641, 497.6701

 38.4027, 49.3404,  
55.2259


 94.4490, 115.3712,  
128.2607

 26.4740, 34.8896,  
39.1828

 121.1025,  
146.2223, 162.3026

 17.3131, 23.5778,  
26.5930

152.3504,  
182.1343, 201.8906

 10.5547, 15.0208,  
17.0381

188.5584,  
223.4918, 247.4431

 5.8333, 8.8340,  
10.0994

230.0916,  
270.6792, 299.3788

 2.7837, 4.6330,  
5.3584

277.3154,

 1.0404, 2.0336,

324.0808, 358.1162

2.3967

330.5952,  
384.0809, 424.0737

■ 0.0000, 0.6269,  
0.7846

■ 0.0000, 0.0000,  
0.0000

■ 53.4645, 67.3147,  
75.1409

■ 53.4645, 67.3147,  
75.1409

■ 49.0580, 65.0994,  
72.4681

■ 58.7098, 69.9646,  
77.9120

■ 45.4377, 63.2865,  
69.8865

■ 64.8313, 73.0632,  
80.7792

■ 42.5540, 61.8520,  
67.3948

■ 71.8711, 76.6340,  
83.7463

■ 40.3490, 60.7663,  
64.9899

■ 79.8669, 80.6963,  
86.8154

■ 38.7564, 59.9950,  
62.6684

■ 83.9067, 82.7180,  
89.7570

■ 37.6960, 59.4968,  
60.4261

■ 84.4452, 82.9334,  
92.5926

■ 37.1511, 59.2518,  
58.7823

■ 84.9948, 83.1533,  
95.4870

■ 85.5557, 83.3776,  
98.4406

■ 86.1279, 83.6065,  
101.4537

# Harmonies

## Analogous

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



54.5131, 67.3147, 59.8321



53.4645, 67.3147, 75.1409



55.0898, 67.3147, 92.2874

# Triad

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



53.4645, 67.3147, 75.1409



70.3079, 67.3147, 103.4210



69.1351, 67.3147, 48.2728

# Complementary

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



53.4645, 67.3147, 75.1409



50.4358, 42.3602, 41.5971

# 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.



73.7799, 67.3147, 57.1040



53.4645, 67.3147, 75.1409



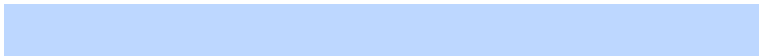
74.4854, 67.3147, 88.6380

# Square

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



53.4645, 67.3147, 75.1409



64.6222, 67.3147, 110.0944



75.7925, 67.3147, 71.4781



63.3433, 67.3147, 45.7715

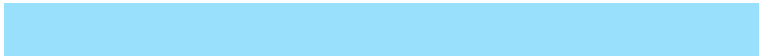


# Rectangle

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



53.4645, 67.3147, 75.1409



57.5321, 67.3147, 102.0431



75.7925, 67.3147, 71.4781



70.8938, 67.3147, 50.5261

# Sweetspot

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



53.4664, 67.3174, 75.1424



85.6240, 95.2168, 105.0203



49.3741, 65.9657, 40.7035



18.0645, 20.2472, 22.3642



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

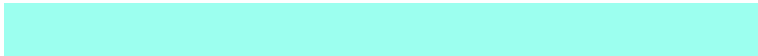


# Same Dimension

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



53.4664, 67.3174, 75.1424



64.9441, 84.7674, 94.4993



48.7668, 55.3433, 81.5139



14.7018, 16.2941, 17.9602



21.4888, 34.2276, 34.1378



1.6149, 2.5401, 2.6646



# Inverse Universe

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



50.4358, 42.3602, 41.5971



60.4688, 47.8525, 44.9183



53.8833, 50.9359, 37.5648



14.4719, 14.4059, 15.4192



18.6962, 9.6127, 2.0293

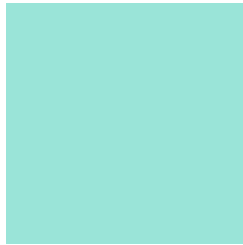


1.4106, 0.7219, 0.3025



# Previews

## White Background



This preview shows how the XYZ color 53.4645, 67.3147, 75.1409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

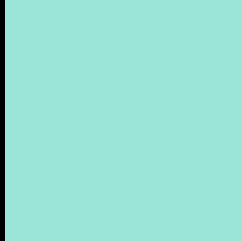
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4645, 67.3147, 75.1409 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 53.4645, 67.3147, 75.1409**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4645, 67.3147, 75.1409.



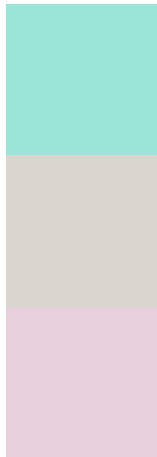
This preview shows how white text looks on a background with the XYZ color 53.4645, 67.3147,

75.1409.

# 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

53.4645, 67.3147, 75.1409

### Protanopia

63.7194, 66.4974, 68.5084

### Deuteranopia

68.1861, 66.7819, 77.0065



## Tritanopia

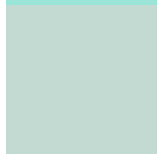
57.1799, 67.1957, 93.9608

# Trichromacy



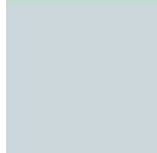
## Original Color

53.4645, 67.3147, 75.1409



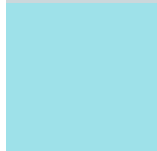
## Protanomaly

59.2099, 66.3981, 70.6682



## Deuteranomaly

61.7152, 66.4119, 76.5839



## Tritanomaly

55.7337, 67.0027, 87.0861

# Monochromacy



## Original Color

53.4645, 67.3147, 75.1409



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

55.5526, 62.6311, 69.4827

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4645, 67.3147, 75.1409 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(154, 228, 216)` looks like.

```
.text, #text, p{  
    color:rgb(154, 228, 216)  
}
```

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(154, 228, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 228, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4645, 67.3147, 75.1409 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(154, 228, 216) }
```



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

```
.border{ border-color:rgb(154, 228, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 228, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 228, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 228, 216);  
box-shadow:4px 4px 4px 4px rgb(154, 228,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4645, 67.3147, 75.1409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 228, 216) }
```

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

```
.background{ background-color: rgb(154,  
228, 216) }
```

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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