

# Converting Colors

XYZ(54.6534, 63.9377, 68.0898)

Have a look what the booklet for  
XYZ(54.6534, 63.9377, 68.0898)  
contains.

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# Color

**XYZ(54.8024, 64.1827,  
67.8926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3DACE
RGB	179, 218, 206
RGB Percent	70%, 85%, 81%
CMY	0.2980, 0.1451, 0.1922
CMYK	0.18, 0.00, 0.06, 0.15
HSL	162°, 35%, 78%
HSV	162°, 18%, 85%
XYZ	54.8024, 64.1827, 67.8926
YIQ	204.9710, -19.3920, -12.0000

# Conversions

## Conversions Part 2

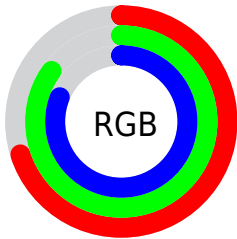
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 202, 218
Decimal	11786958
CIELab	84.06, -15.14, 1.65
CIELCh	84, 15.230, 173.763
Yxy	64.1827, 0.2933, 0.3434
Android (android.graphics.Color)	4289977038 (0xFFB3DACE)
YUV	204.9710, 0.5073, -22.7766
Hunter-Lab	80.1141, -18.0960, 5.8346

# Details

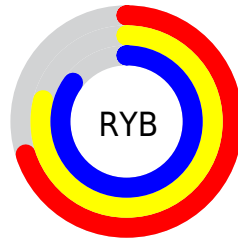
The XYZ color **54.8024, 64.1827, 67.8926** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.4398, 50.9090, 56.2502**, and the grayscale version is **58.0171, 61.0385, 66.4709**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **27.3689, 32.8970, 34.6130** is the 20% darker color. If you saturate the color by 10%, you get **49.3594, 61.4706, 63.4746**, and if you desaturate by 10%, it is **61.0804, 67.3247, 72.5340**.

# Distribution



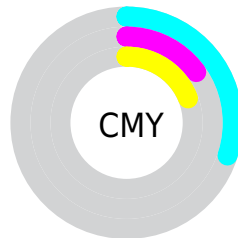
- Red (70%)
- Green (85%)
- Blue (81%)



- Red (70%)
- Yellow (79%)
- Blue (85%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)




- Cyan (30%)
- Magenta (15%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8024, 64.1827, 67.8926 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 54.8024, 64.1827, 67.8926 by changing the saturation by 10% instead.





 54.8024, 64.1827,  
67.8926

 54.8024, 64.1827,  
67.8926


395.3111,  
439.8491, 471.7031

 39.4768, 46.7987,  
49.3442


 96.4014, 110.8740,  
117.8512

 27.3132, 32.8765,  
34.5251


123.4054,  
140.9501, 150.0986

 17.9464, 22.0319,  
23.0167


155.0330,  
176.0256, 187.7494

 11.0110, 13.8803,  
14.4004

191.6495,  
216.4850, 231.2221

 6.1416, 8.0375,  
8.2577

233.6201,  
262.7127, 280.9352

 2.9728, 4.1189,  
4.1702

281.3104,

 1.1394, 1.7403,

315.0930, 337.3075

1.7192

335.0856,  
374.0103, 400.7572

■ 0.0577, 0.4496,  
0.3738

■ 0.0000, 0.0000,  
0.0000

■ 54.8024, 64.1827,  
67.8926

■ 54.8024, 64.1827,  
67.8926

■ 49.3594, 61.4706,  
63.4746

■ 61.0804, 67.3247,  
72.5340

■ 44.7081, 59.1610,  
59.2717

■ 68.2233, 70.9067,  
77.3985

■ 40.8097, 57.2356,  
55.2811

■ 76.2661, 74.9485,  
82.4910

■ 37.6197, 55.6715,  
51.4985

■ 80.9974, 77.2790,  
87.6166

■ 35.0886, 54.4433,  
47.9192

■ 81.9735, 77.6695,  
92.7567

■ 33.1607, 53.5223,  
44.5381

■ 82.9864, 78.0746,  
98.0908

■ 31.7701, 52.8745,  
41.3497

■ 84.0366, 78.4947,  
103.6209

■ 30.8246, 52.4526,  
38.3471

■ 84.3626, 78.6251,  
105.3375

■ 30.6515, 52.3767,  
37.7358

# Harmonies

## Analogous

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



55.9383, 64.1827, 59.5045



54.8024, 64.1827, 67.8926



55.2783, 64.1827, 77.6104

# Triad

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



54.8024, 64.1827, 67.8926



63.6451, 64.1827, 88.2283



64.9041, 64.1827, 55.9936

# Complementary

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



54.8024, 64.1827, 67.8926



54.4398, 50.9090, 56.2502

# 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.



67.1115, 64.1827, 62.6883



54.8024, 64.1827, 67.8926



66.3661, 64.1827, 81.4054

# Square

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



54.8024, 64.1827, 67.8926



60.3044, 64.1827, 89.9443



67.6561, 64.1827, 71.9141



61.7085, 64.1827, 53.0530



# Rectangle

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



54.8024, 64.1827, 67.8926



56.4545, 64.1827, 83.4832



67.6561, 64.1827, 71.9141



65.7910, 64.1827, 57.8482

# Sweetspot

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



54.8042, 64.1854, 67.8940



89.8884, 97.4114, 105.3944



54.7842, 64.5220, 52.2155



19.0900, 20.7750, 22.4547



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

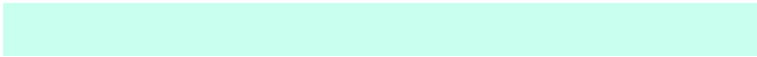


# Same Dimension

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



54.8042, 64.1854, 67.8940



75.4777, 90.2036, 94.7231



54.5044, 61.1622, 75.2655



13.2654, 14.7578, 15.8603



18.4128, 31.3977, 22.8708



1.2307, 2.0492, 1.6812



# Inverse Universe

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



54.4398, 50.9090, 56.2502



74.8774, 68.3017, 75.5187



54.6427, 53.3430, 50.0652



13.2202, 13.1172, 14.4209



17.9732, 9.1903, 4.2388

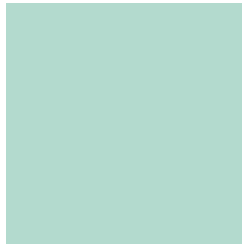


1.2023, 0.6106, 0.4744



# Previews

## White Background



This preview shows how the XYZ color 54.8024, 64.1827, 67.8926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

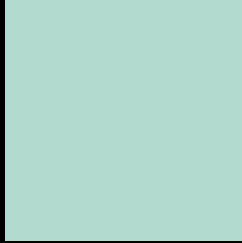
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8024, 64.1827, 67.8926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

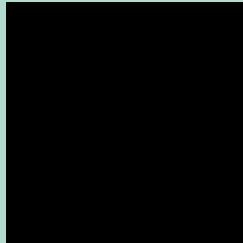
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

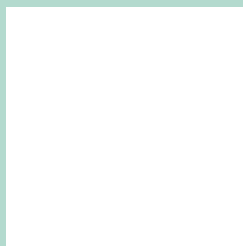
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.8024, 64.1827, 67.8926**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8024, 64.1827, 67.8926.



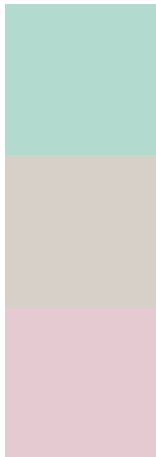
This preview shows how white text looks on a background with the XYZ color 54.8024, 64.1827,



# 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

54.8024, 64.1827, 67.8926

### Protanopia

61.1228, 63.7759, 64.3468

### Deuteranopia

64.9423, 63.5025, 69.1560



## Tritanopia

58.2375, 64.0530, 84.8953

# Trichromacy



## Original Color

54.8024, 64.1827, 67.8926

## Protanomaly

58.6801, 63.9553, 65.7518

## Deuteranomaly

60.8050, 63.5147, 68.7293

## Tritanomaly

56.7767, 63.8199, 78.4333

# Monochromacy



## Original Color

54.8024, 64.1827, 67.8926

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

56.8310, 62.2367, 66.7752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8024, 64.1827, 67.8926 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(179, 218, 206) looks like.

```
.text, #text, p{  
    color:rgb(179, 218, 206)  
}
```

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(179, 218, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 218, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8024, 64.1827, 67.8926 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(179, 218, 206) }
```



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

```
.border{ border-color:rgb(179, 218, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 218, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 218, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 218, 206);  
box-shadow:4px 4px 4px 4px rgb(179, 218,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8024, 64.1827, 67.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 218, 206) }
```

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

```
.background{ background-color: rgb(179,  
218, 206) }
```

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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