

# Converting Colors

XYZ(53.2674, 64.5427, 68.6820)

Have a look what the booklet for  
XYZ(53.2674, 64.5427, 68.6820)  
contains.

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# Color

**XYZ(53.2674, 64.5427,  
68.6820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8DDCF
RGB	168, 221, 207
RGB Percent	66%, 87%, 81%
CMY	0.3412, 0.1333, 0.1882
CMYK	0.24, 0.00, 0.06, 0.13
HSL	164°, 44%, 76%
HSV	164°, 24%, 87%
XYZ	53.2674, 64.5427, 68.6820
YIQ	203.5570, -27.0940, -15.5900

# Conversions

## Conversions Part 2

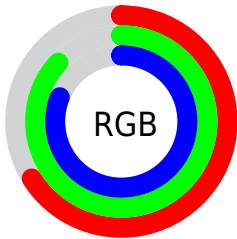
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	168, 199, 221
Decimal	11066831
CIE Lab	84.25, -19.87, 1.32
CIE LCh	84, 19.911, 176.208
Yxy	64.5427, 0.2856, 0.3461
Android (android.graphics.Color)	4289256911 (0xFFA8DDCF)
YUV	203.5570, 1.6974, -31.1835
Hunter-Lab	80.3385, -22.2402, 5.5494

# Details

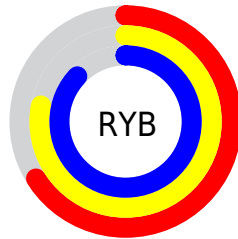
The XYZ color **53.2674, 64.5427, 68.6820** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.2672, 46.7566, 50.5288**, and the grayscale version is **57.1184, 60.0930, 65.4412**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **26.4562, 33.2172, 35.1542** is the 20% darker color. If you saturate the color by 10%, you get **48.2560, 62.0419, 64.7908**, and if you desaturate by 10%, it is **59.1085, 67.4716, 72.7526**.

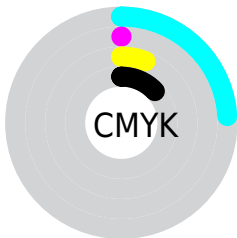
# Distribution



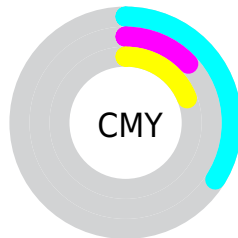
- Red (66%)
- Green (87%)
- Blue (81%)



- Red (66%)
- Yellow (78%)
- Blue (87%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)



- Cyan (34%)
- Magenta (13%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2674, 64.5427, 68.6820 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 53.2674, 64.5427, 68.6820 by changing the saturation by 10% instead.



■ 53.2674, 64.5427,  
68.6820

■ 53.2674, 64.5427,  
68.6820

389.5543,  
441.1468, 474.5721

■ 38.2446, 47.0904,  
49.9826

■ 94.1609, 111.3921,  
118.9907

■ 26.3507, 33.1071,  
35.0285

■ 120.7624,  
141.5580, 151.4371

■ 17.2202, 22.2085,  
23.4011

151.9541,  
176.7306, 189.3029

■ 10.4879, 14.0102,  
14.6819

188.1015,  
217.2942, 233.0067

■ 5.7884, 8.1277,  
8.4523

229.5698,  
263.6332, 282.9669

■ 2.7563, 4.1768,  
4.2938

276.7245,

■ 1.0262, 1.7729,

316.1320, 339.6022

1.7879

329.9309,  
375.1751, 403.3311

■ 0.0000, 0.4702,  
0.4199

■ 0.0000, 0.0000,  
0.0000

■ 53.2674, 64.5427,  
68.6820

■ 53.2674, 64.5427,  
68.6820

■ 48.2560, 62.0419,  
64.7908

■ 59.1085, 67.4716,  
72.7526

■ 44.0281, 59.9403,  
61.0712


■ 65.8116, 70.8401,  
77.0014


■ 40.5414, 58.2178,  
57.5212


■ 73.4140, 74.6690,  
81.4331


■ 37.7470, 56.8492,  
54.1370


■ 81.4307, 78.7084,  
86.0262


 35.5902, 55.8065,  
50.9144


 82.2663, 79.0427,  
90.4267


 34.0078, 55.0569,  
47.8488


 83.1297, 79.3881,  
94.9733

 32.9229, 54.5610,  
44.9353

 84.0212, 79.7446,  
99.6674

 32.4342, 54.3458,  
43.2509

 84.9408, 80.1125,  
104.5104

 85.1476, 80.1952,  
105.5992

# Harmonies

## Analogous

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



54.5648, 64.5427, 57.6153



53.2674, 64.5427, 68.6820



54.0477, 64.5427, 81.5566

# Triad

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



53.2674, 64.5427, 68.6820



65.1677, 64.5427, 94.3955



66.1843, 64.5427, 51.9631

# Complementary

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



53.2674, 64.5427, 68.6820



52.2672, 46.7566, 50.5288

# 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.



69.2731, 64.5427, 60.0868



53.2674, 64.5427, 68.6820



68.6667, 64.5427, 84.6677

# Square

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



53.2674, 64.5427, 68.6820



60.7868, 64.5427, 97.4015



70.2025, 64.5427, 71.8945



61.9085, 64.5427, 48.7214



# Rectangle

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



53.2674, 64.5427, 68.6820



55.6624, 64.5427, 89.3056



70.2025, 64.5427, 71.8945



67.4037, 64.5427, 54.1621

# Sweetspot

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



53.2692, 64.5454, 68.6835



88.0351, 96.4703, 104.6570



52.2493, 64.5041, 46.7436



18.7198, 20.5866, 22.3238



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

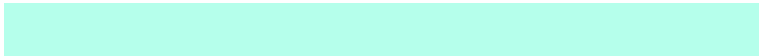


# Same Dimension

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



53.2692, 64.5454, 68.6835



69.8902, 87.3748, 92.1299



51.9122, 58.9689, 77.0557



13.2903, 14.7678, 15.9919



18.8897, 31.5885, 25.3822



1.2586, 2.0604, 1.8277



# Inverse Universe

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



52.2672, 46.7566, 50.5288



68.2681, 58.5257, 62.7024



53.2842, 50.9920, 44.0810



13.1966, 13.1077, 14.2964



17.8116, 9.1257, 3.3879

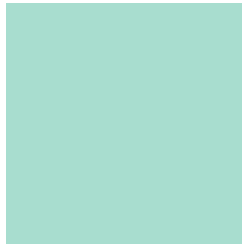


1.1894, 0.6054, 0.4061



# Previews

## White Background



This preview shows how the XYZ color 53.2674, 64.5427, 68.6820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

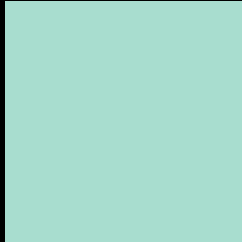
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2674, 64.5427, 68.6820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

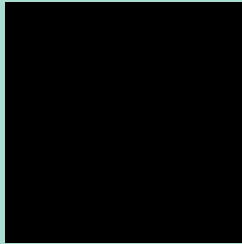
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

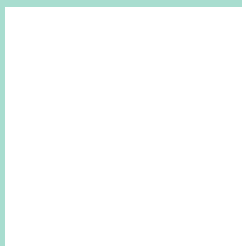
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.2674, 64.5427, 68.6820**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2674, 64.5427, 68.6820.



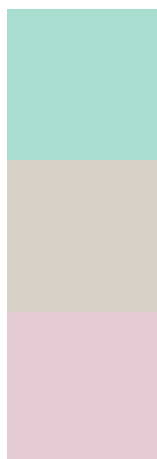
This preview shows how white text looks on a background with the XYZ color 53.2674, 64.5427,



# 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

53.2674, 64.5427, 68.6820

### Protanopia

61.2501, 64.2181, 63.8107

### Deuteranopia

65.4269, 64.0730, 70.5470



## Tritanopia

56.8977, 64.4505, 87.2833

# Trichromacy



## Original Color

53.2674, 64.5427, 68.6820

## Protanomaly

57.8624, 63.9061, 65.7853

## Deuteranomaly

60.4116, 64.0117, 70.1442

## Tritanomaly

55.3205, 64.1826, 79.9938

# Monochromacy



## Original Color

53.2674, 64.5427, 68.6820

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

55.5519, 61.5773, 66.7153

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2674, 64.5427, 68.6820 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(168, 221, 207)` looks like.

```
.text, #text, p{  
    color:rgb(168, 221, 207)  
}
```

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(168, 221, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 221, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2674, 64.5427, 68.6820 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(168, 221, 207) }
```



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

```
.border{ border-color:rgb(168, 221, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 221, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 221, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 221, 207);  
box-shadow:4px 4px 4px 4px rgb(168, 221,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2674, 64.5427, 68.6820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 221, 207) }
```

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

```
.background{ background-color: rgb(168,  
221, 207) }
```

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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