

# Converting Colors

XYZ(60.5632, 70.5278, 77.3428)

Have a look what the booklet for  
XYZ(60.5632, 70.5278, 77.3428)  
contains.

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# Color

**XYZ(60.5050, 70.4917,  
77.4351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE3DB
RGB	186, 227, 219
RGB Percent	73%, 89%, 86%
CMY	0.2706, 0.1098, 0.1412
CMYK	0.18, 0.00, 0.04, 0.11
HSL	168°, 42%, 81%
HSV	168°, 18%, 89%
XYZ	60.5050, 70.4917, 77.4351
YIQ	213.8290, -21.8680, -11.1800

# Conversions

## Conversions Part 2

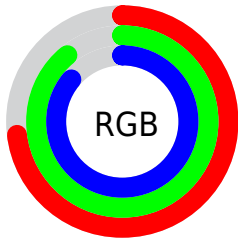
Format	Color
R <sub>YB</sub>	186, 209, 227
Decimal	12248027
CIE Lab	87.24, -14.87, -0.53
CIE LCh	87, 14.880, 182.023
Yxy	70.4917, 0.2903, 0.3382
Android (android.graphics.Color)	4290438107 (0xFFBAE3DB)
YUV	213.8290, 2.5493, -24.4060
Hunter-Lab	83.9593, -18.2934, 4.0888

# Details

The XYZ color **60.5050, 70.4917, 77.4351** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.9776, 55.3458, 58.6165**, and the grayscale version is **63.7971, 67.1195, 73.0932**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **30.9691, 37.0909, 40.6490** is the 20% darker color. If you saturate the color by 10%, you get **54.8471, 67.6434, 74.1669**, and if you desaturate by 10%, it is **67.0585, 73.8037, 80.8292**.

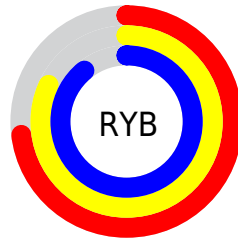
# Distribution



Red (73%)

Green (89%)

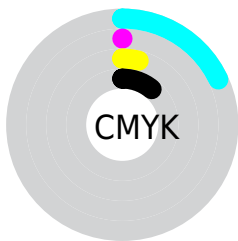
Blue (86%)



Red (73%)

Yellow (82%)

Blue (89%)

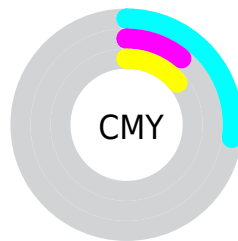


Cyan (18%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (27%)

Magenta (11%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.5050, 70.4917, 77.4351 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 60.5050, 70.4917, 77.4351 by changing the saturation by 10% instead.



60.5050, 70.4917,  
77.4351

60.5050, 70.4917,  
77.4351

416.2617,  
462.2746, 505.7232

44.0768, 51.9275,  
57.0964

104.6641,  
119.9097, 131.5321

30.9291, 36.9473,  
40.6727

133.1257,  
151.5323, 166.1274

20.6964, 25.1667,  
27.7457

166.3291,  
188.2764, 206.3121

13.0135, 16.2013,  
17.8967

204.6398,  
230.5265, 252.5045

7.5149, 9.6667,  
10.7072

248.4230,  
278.6670, 305.1233

3.8353, 5.1785,  
5.7586

298.0442,

1.6094, 2.3524,

333.0822, 364.5870

2.6324

353.8686,  
394.1566, 431.3141

■ 0.3985, 0.8012,  
0.9091

■ 0.0000, 0.0000,  
0.0000

■ 60.5050, 70.4917,  
77.4351

■ 60.5050, 70.4917,  
77.4351

■ 54.8471, 67.6434,  
74.1669

■ 67.0585, 73.8037,  
80.8292

■ 50.0375, 65.2286,  
71.0174


■ 74.5403, 77.5906,  
84.3470


■ 46.0334, 63.2274,  
67.9854


■ 82.9887, 81.8740,  
87.9923


■ 42.7859, 61.6145,  
65.0680

■ 83.9562, 82.2990,  
91.3704


 40.2409, 60.3619,  
62.2620


 84.6108, 82.5608,  
94.8173


 38.3366, 59.4380,  
59.5638


 85.2814, 82.8291,  
98.3490


 37.0006, 58.8053,  
56.9695

 85.9683, 83.1039,  
101.9661

 36.1306, 58.4111,  
54.4736

 86.6715, 83.3851,  
105.6692

 35.9860, 58.3469,  
53.9999

 86.7603, 83.4207,  
106.1368

# Harmonies

## Analogous

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



61.2379, 70.4917, 68.0727



60.5050, 70.4917, 77.4351



61.4616, 70.4917, 87.4200

# Triad

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



60.5050, 70.4917, 77.4351



70.6279, 70.4917, 94.2581



70.2031, 70.4917, 60.9776

# Complementary

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



60.5050, 70.4917, 77.4351



58.9776, 55.3458, 58.6165

# 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.



72.8620, 70.4917, 66.9919



60.5050, 70.4917, 77.4351



73.1132, 70.4917, 86.1425

# Square

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



60.5050, 70.4917, 77.4351



67.2378, 70.4917, 97.6431



73.9445, 70.4917, 76.0759



66.7632, 70.4917, 59.0783



# Rectangle

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



60.5050, 70.4917, 77.4351



62.9488, 70.4917, 92.9491



73.9445, 70.4917, 76.0759



71.2219, 70.4917, 62.5577

# Sweetspot

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



60.5070, 70.4946, 77.4367



90.1157, 97.5023, 106.5911



58.6338, 69.9821, 56.8733



19.1454, 20.7971, 22.7462



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

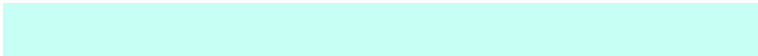


# Same Dimension

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



60.5070, 70.4946, 77.4367



75.6234, 90.1831, 99.0492



58.3412, 64.4359, 82.0388



14.6805, 16.2856, 17.8483



21.0281, 34.0434, 31.7121



1.5849, 2.5281, 2.5064



# Inverse Universe

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



58.9776, 55.3458, 58.6165



73.2546, 66.7065, 69.8894



60.8066, 60.4038, 54.9100



14.4914, 14.4137, 15.5221



18.7761, 9.6446, 2.4497

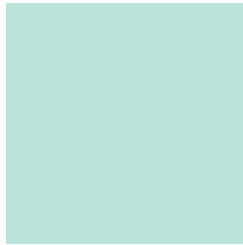


1.4198, 0.7256, 0.3511



# Previews

## White Background



This preview shows how the XYZ color 60.5050, 70.4917, 77.4351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

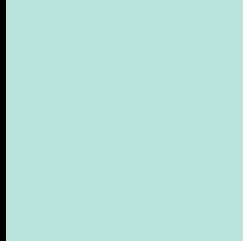
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.5050, 70.4917, 77.4351 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

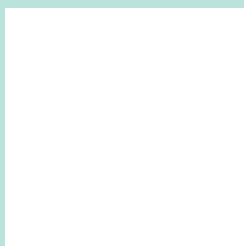
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.5050, 70.4917, 77.4351

## Background



This preview shows how black text looks on a background with the XYZ color 60.5050, 70.4917, 77.4351.



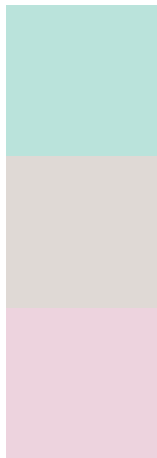
This preview shows how white text looks on a background with the XYZ color 60.5050, 70.4917,



# 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

60.5050, 70.4917, 77.4351

### Protanopia

67.2545, 70.1178, 72.9402

### Deuteranopia

71.4041, 69.8670, 78.8295



## Tritanopia

63.7680, 70.6093, 93.4871

# Trichromacy



## Original Color

60.5050, 70.4917, 77.4351

## Protanomaly

64.7005, 70.3208, 74.4532

## Deuteranomaly

66.7774, 69.7516, 78.3505

## Tritanomaly

62.6195, 70.5524, 87.4084

# Monochromacy



## Original Color

60.5050, 70.4917, 77.4351

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

62.6280, 68.4583, 74.8787

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.5050, 70.4917, 77.4351 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(186, 227, 219) looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 219)  
}
```

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(186, 227, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 60.5050, 70.4917, 77.4351 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(186, 227, 219) }
```



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

```
.border{ border-color:rgb(186, 227, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 227, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 227, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 227, 219);  
box-shadow:4px 4px 4px 4px rgb(186, 227,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.5050, 70.4917, 77.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 227, 219) }
```

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

```
.background{ background-color: rgb(186,  
227, 219) }
```

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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