

# Converting Colors

XYZ(58.8407, 69.2504, 75.0253)

Have a look what the booklet for  
XYZ(58.8407, 69.2504, 75.0253)  
contains.

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# Color

**XYZ(58.8824, 69.2957,  
75.2377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E2D8
RGB	182, 226, 216
RGB Percent	71%, 89%, 85%
CMY	0.2863, 0.1137, 0.1529
CMYK	0.19, 0.00, 0.04, 0.11
HSL	166°, 43%, 80%
HSV	166°, 19%, 89%
XYZ	58.8824, 69.2957, 75.2377
YIQ	211.7040, -23.0140, -12.4380

# Conversions

## Conversions Part 2

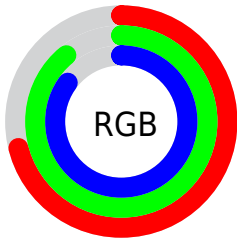
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 207, 226
Decimal	11985624
CIELab	86.65, -16.22, 0.17
CIELCh	87, 16.221, 179.410
Yxy	69.2957, 0.2895, 0.3407
Android (android.graphics.Color)	4290175704 (0xFFB6E2D8)
YUV	211.7040, 2.1179, -26.0504
Hunter-Lab	83.2440, -19.4157, 4.6833

# Details

The XYZ color **58.8824, 69.2957, 75.2377** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.6088, 53.4322, 57.1492**, and the grayscale version is **62.3817, 65.6304, 71.4715**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **29.8980, 36.2882, 39.1467** is the 20% darker color. If you saturate the color by 10%, you get **53.3163, 66.5037, 71.5650**, and if you desaturate by 10%, it is **65.3346, 72.5458, 79.0632**.

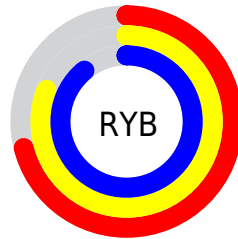
# Distribution



Red (71%)

Green (89%)

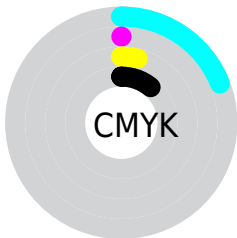
Blue (85%)



Red (71%)

Yellow (81%)

Blue (89%)

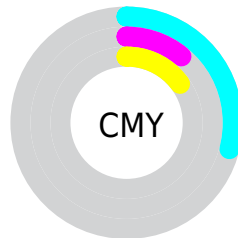


Cyan (19%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (29%)

Magenta (11%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8824, 69.2957, 75.2377 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 58.8824, 69.2957, 75.2377 by changing the saturation by 10% instead.





 58.8824, 69.2957,  
75.2377

 58.8824, 69.2957,  
75.2377


410.3670,  
458.0732, 498.0114

 42.7645, 50.9526,  
55.3047


 102.3223,  
118.2038, 128.3990

 29.8941, 36.1709,  
39.2455


130.3750,  
149.5376, 162.4644

 19.9059, 24.5662,  
26.6415


163.1367,  
185.9704, 202.0776

 12.4345, 15.7541,  
17.0741

200.9727,  
227.8866, 247.6574

 7.1146, 9.3503,  
10.1248

244.2484,  
275.6706, 299.6221

 3.5809, 4.9704,  
5.3751

293.3291,

 1.4679, 2.2299,

329.7067, 358.3903

2.4064

348.5802,  
390.3795, 424.3805

■ 0.3038, 0.7362,  
0.7899

■ 0.0000, 0.0000,  
0.0000

■ 58.8824, 69.2957,  
75.2377

■ 58.8824, 69.2957,  
75.2377

■ 53.3163, 66.5037,  
71.5650

■ 65.3346, 72.5458,  
79.0632

■ 48.5889, 64.1398,  
68.0375


■ 72.7058, 76.2654,  
83.0397


■ 44.6574, 62.1839,  
64.6538


■ 81.0340, 80.4760,  
87.1714


■ 41.4728, 60.6106,  
61.4104


■ 83.6584, 81.7436,  
91.1473


 38.9804, 59.3919,  
58.3039

 84.4182, 82.0475,  
95.1483

 37.1179, 58.4956,  
55.3303


 85.1996, 82.3601,  
99.2633

 35.8116, 57.8838,  
52.4852

 86.0029, 82.6814,  
103.4934

 34.9406, 57.4942,  
49.7616

 86.4877, 82.8753,  
106.0459

 34.8989, 57.4758,  
49.6203

# Harmonies

## Analogous

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



59.8226, 69.2957, 65.3786



58.8824, 69.2957, 75.2377



59.7526, 69.2957, 86.1037

# Triad

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



58.8824, 69.2957, 75.2377



69.4850, 69.2957, 95.0046



69.6190, 69.2957, 58.9648

# Complementary

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



58.8824, 69.2957, 75.2377



57.6088, 53.4322, 57.1492

# 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.



72.3774, 69.2957, 65.7157



58.8824, 69.2957, 75.2377



72.2980, 69.2957, 86.5086

# Square

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



58.8824, 69.2957, 75.2377



65.7889, 69.2957, 98.1549



73.3756, 69.2957, 75.6652



65.9381, 69.2957, 56.5498



# Rectangle

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



58.8824, 69.2957, 75.2377



61.2619, 69.2957, 92.3269



73.3756, 69.2957, 75.6652



70.6899, 69.2957, 60.7684

# Sweetspot

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



58.8844, 69.2986, 75.2393



89.0884, 96.9908, 105.7243



57.4478, 69.0144, 54.5503



18.9355, 20.6929, 22.5563



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

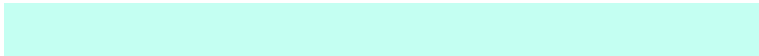


# Same Dimension

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



58.8844, 69.2986, 75.2393



74.5931, 89.6936, 97.1236



57.1351, 63.6668, 81.2325



13.9763, 15.5162, 16.9103



19.9560, 32.8073, 28.5551



1.4163, 2.2872, 2.1532



# Inverse Universe

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



57.6088, 53.4322, 57.1492



72.6523, 65.5353, 69.5862



59.0423, 58.0131, 52.3428



13.8342, 13.7513, 14.8972



18.2762, 9.3775, 2.8541

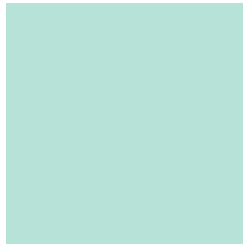


1.3007, 0.6636, 0.3766



# Previews

## White Background



This preview shows how the XYZ color 58.8824, 69.2957, 75.2377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

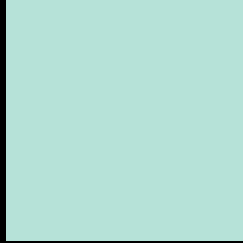
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8824, 69.2957, 75.2377 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

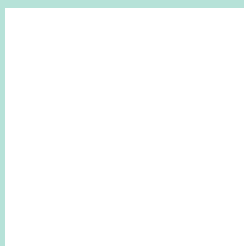
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.8824, 69.2957, 75.2377**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8824, 69.2957, 75.2377.



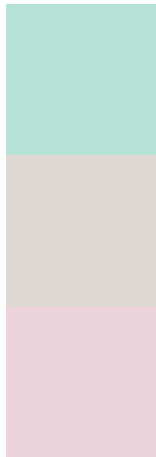
This preview shows how white text looks on a background with the XYZ color 58.8824, 69.2957,

75.2377.

# 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

58.8824, 69.2957, 75.2377

### Protanopia

66.0575, 68.7836, 70.7677

### Deuteranopia

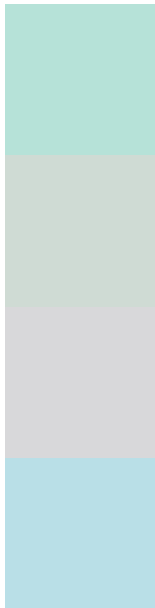
70.4248, 69.0405, 76.6322



## Tritanopia

62.3430, 69.0986, 92.4896

# Trichromacy



## Original Color

58.8824, 69.2957, 75.2377

## Protanomaly

62.9473, 68.6819, 72.2266

## Deuteranomaly

65.5297, 68.7726, 76.1503

## Tritanomaly

60.8191, 68.8592, 85.6869

# Monochromacy



## Original Color

58.8824, 69.2957, 75.2377

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

60.9105, 66.8473, 72.6433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8824, 69.2957, 75.2377 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(182, 226, 216)` looks like.

```
.text, #text, p{  
    color:rgb(182, 226, 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(182, 226, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 226, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8824, 69.2957, 75.2377 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(182, 226, 216) }
```



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

```
.border{ border-color:rgb(182, 226, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 226, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 226, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 226, 216); box-shadow:4px 4px 4px 4px rgb(182, 226, 216) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8824, 69.2957, 75.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 226, 216) }
```

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

```
.background{ background-color: rgb(182,  
226, 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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