

# Converting Colors

XYZ(58.3493, 73.0664, 62.3817)

Have a look what the booklet for  
XYZ(58.3493, 73.0664, 62.3817)  
contains.

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# Color

**XYZ(58.3810, 73.0601,  
62.6548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4EBC3
RGB	180, 235, 195
RGB Percent	71%, 92%, 76%
CMY	0.2941, 0.0784, 0.2353
CMYK	0.23, 0.00, 0.17, 0.08
HSL	136°, 58%, 81%
HSV	136°, 23%, 92%
XYZ	58.3810, 73.0601, 62.6548
YIQ	213.9950, -19.9400, -24.1000

# Conversions

## Conversions Part 2

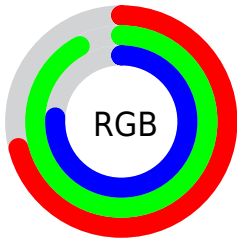
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 223, 235
Decimal	11856835
CIELab	88.48, -25.30, 13.78
CIELCh	88, 28.813, 151.429
Yxy	73.0601, 0.3008, 0.3764
Android (android.graphics.Color)	4290046915 (0xFFB4EBC3)
YUV	213.9950, -9.3645, -29.8136
Hunter-Lab	85.4752, -27.6631, 16.3720

# Details

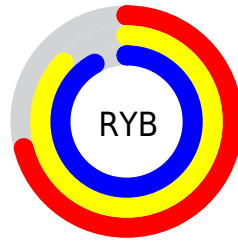
The XYZ color **58.3810, 73.0601, 62.6548** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5029, 55.4736, 75.0736**, and the grayscale version is **63.9854, 67.3176, 73.3089**.

A 20% lighter version of the original color is **88.2557, 96.5528, 106.0804**, and **29.5320, 38.5989, 31.0931** is the 20% darker color. If you saturate the color by 10%, you get **51.5441, 69.7482, 52.8185**, and if you desaturate by 10%, it is **66.3707, 76.9448, 73.7028**.

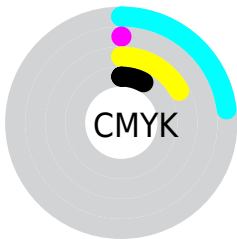
# Distribution



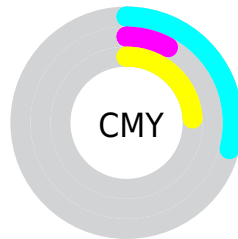
- Red (71%)
- Green (92%)
- Blue (76%)



- Red (71%)
- Yellow (87%)
- Blue (92%)



- Cyan (23%)
- Magenta (0%)
- Yellow (17%)
- Black (8%)




- Cyan (29%)
- Magenta (8%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3810, 73.0601, 62.6548 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 58.3810, 73.0601, 62.6548 by changing the saturation by 10% instead.




 58.3810, 73.0601,  
62.6548

 58.3810, 73.0601,  
62.6548


408.5351,  
471.2231, 452.3890

 42.3595, 54.0251,  
45.1228


 101.5973,  
123.5625, 110.2521

 29.5752, 38.6217,  
31.2105


129.5227,  
155.7988, 141.1545

 19.6629, 26.4656,  
20.4994


162.1468,  
193.2042, 177.3507

 12.2570, 17.1723,  
12.5709

199.8350,  
236.1632, 219.2594

 6.9924, 10.3574,  
7.0065

242.9525,  
285.0602, 267.2990

 3.5037, 5.6366,  
3.3877


291.8649,

 1.4254, 2.6254,


340.2796, 321.8881


1.2958

346.9373,  
402.2057, 383.4453


 0.2742, 0.9394,  
0.0584


 0.0000, 0.0000,  
0.0000

 58.3810, 73.0601,  
62.6548


 58.3810, 73.0601,  
62.6548


 51.5441, 69.7482,  
52.8185


 66.3707, 76.9448,  
73.7028


 45.7997, 66.9729,  
44.1478

 75.5577, 81.4182,  
85.9970

 41.0913, 64.7078,  
36.6007

 85.9915, 86.5073,  
99.5765

 37.3545, 62.9207,  
30.1308

 88.9998, 87.8995,  
106.8833

■ 34.5175, 61.5757,  
24.6884

■ 32.4980, 60.6315,  
20.2197

■ 31.1974, 60.0383,  
16.6661

■ 30.6378, 59.7907,  
14.7901

# Harmonies

## Analogous

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



62.7204, 73.0601, 51.2208



58.3810, 73.0601, 62.6548



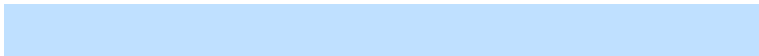
56.9507, 73.0601, 80.5059

# Triad

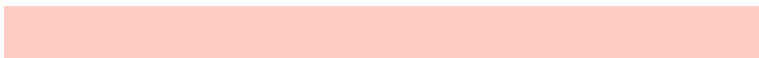
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.3810, 73.0601, 62.6548



69.7744, 73.0601, 124.1389



81.4471, 73.0601, 61.2589

# Complementary

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



58.3810, 73.0601, 62.6548



63.5029, 55.4736, 75.0736

# 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.



83.6367, 73.0601, 78.6018



58.3810, 73.0601, 62.6548



76.6262, 73.0601, 116.7707

# Square

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



58.3810, 73.0601, 62.6548



63.2600, 73.0601, 118.0047



81.8174, 73.0601, 99.2384



76.0130, 73.0601, 50.5142



# Rectangle

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



58.3810, 73.0601, 62.6548



57.7582, 73.0601, 94.3275



81.8174, 73.0601, 99.2384



82.6026, 73.0601, 66.4026

# Sweetspot

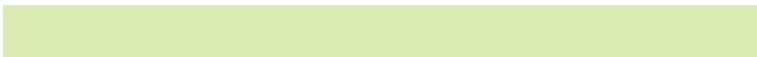
The Sweet Spot groups the original color and five complimentary colors.



58.3830, 73.0632, 62.6564



86.7649, 95.9622, 97.9682



67.5655, 77.9832, 54.6719



18.4257, 20.4690, 20.7751



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

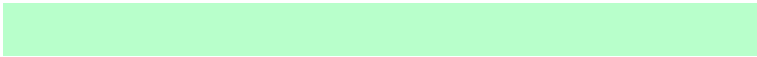


# Same Dimension

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



58.3830, 73.0632, 62.6564



66.2196, 85.9763, 69.6501



61.7402, 74.4060, 80.3350



15.0371, 16.9297, 16.8781



17.0964, 33.2930, 8.4727



1.3817, 2.6300, 0.8721



# Inverse Universe

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



63.5029, 55.4736, 75.0736



73.3693, 61.4037, 86.9827



60.1914, 54.1489, 57.6352



15.5293, 15.2396, 18.0728



23.2103, 11.4868, 22.7067

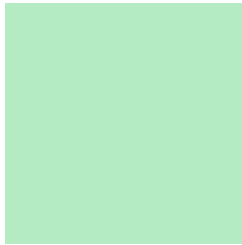


1.8626, 0.9180, 1.9938



# Previews

## White Background



This preview shows how the XYZ color 58.3810, 73.0601, 62.6548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

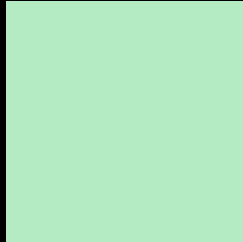
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3810, 73.0601, 62.6548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

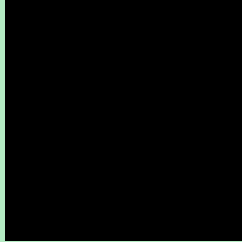
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

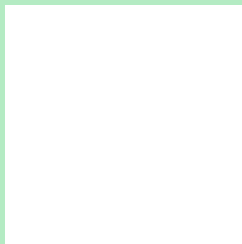
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.3810, 73.0601, 62.6548

## Background



This preview shows how black text looks on a background with the XYZ color 58.3810, 73.0601, 62.6548.



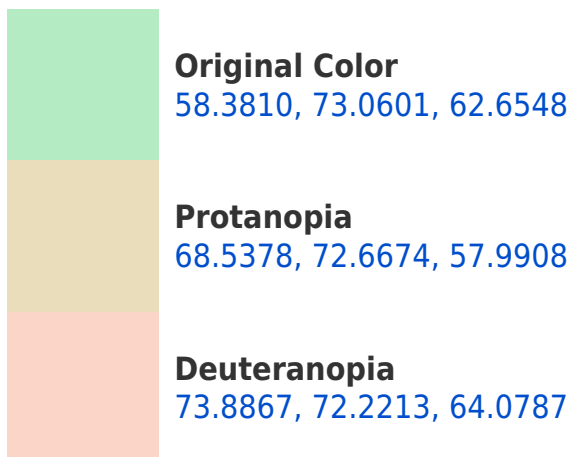
This preview shows how white text looks on a background with the XYZ color 58.3810, 73.0601,

62.6548.

# 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





## Tritanopia

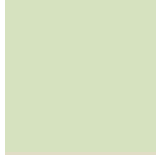
65.3642, 72.9594, 97.8263

# Trichromacy



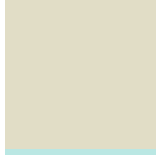
## Original Color

58.3810, 73.0601, 62.6548



## Protanomaly

64.3319, 72.4504, 59.8839



## Deuteranomaly

67.1008, 71.7977, 63.7478



## Tritanomaly

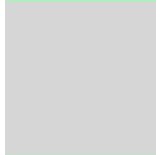
62.6907, 73.1370, 83.4857

# Monochromacy



## Original Color

58.3810, 73.0601, 62.6548



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

61.7409, 69.3041, 69.1544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3810, 73.0601, 62.6548 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(180, 235, 195)` looks like.

```
.text, #text, p{  
    color:rgb(180, 235, 195)  
}
```

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(180, 235, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 235, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3810, 73.0601, 62.6548 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(180, 235, 195) }
```



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

```
.border{ border-color:rgb(180, 235, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 235, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 235, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 235, 195);  
box-shadow:4px 4px 4px 4px rgb(180, 235,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3810, 73.0601, 62.6548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 235, 195) }
```

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

```
.background{ background-color: rgb(180,  
235, 195) }
```

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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