

# Converting Colors

XYZ(58.8171, 69.6756, 74.1606)

Have a look what the booklet for  
XYZ(58.8171, 69.6756, 74.1606)  
contains.

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# Color

**XYZ(58.8981, 69.7383,  
73.9749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E3D6
RGB	182, 227, 214
RGB Percent	71%, 89%, 84%
CMY	0.2863, 0.1098, 0.1608
CMYK	0.20, 0.00, 0.06, 0.11
HSL	163°, 45%, 80%
HSV	163°, 20%, 89%
XYZ	58.8981, 69.7383, 73.9749
YIQ	212.0630, -22.6470, -13.5830

# Conversions

## Conversions Part 2

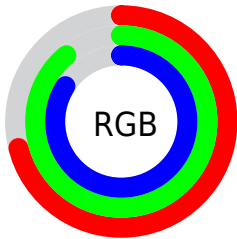
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 208, 227
Decimal	11985878
CIE Lab	86.87, -17.12, 1.54
CIE LCh	87, 17.191, 174.867
Yxy	69.7383, 0.2907, 0.3442
Android (android.graphics.Color)	4290175958 (0xFFB6E3D6)
YUV	212.0630, 0.9549, -26.3653
Hunter-Lab	83.5095, -20.2479, 5.9360

# Details

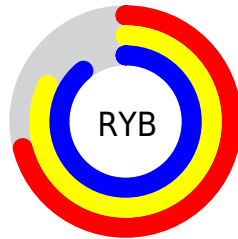
The XYZ color **58.8981, 69.7383, 73.9749** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2593, 53.7288, 58.9329**, and the grayscale version is **62.6274, 65.8889, 71.7530**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **29.9126, 36.5974, 38.2883** is the 20% darker color. If you saturate the color by 10%, you get **53.1450, 66.8692, 69.4216**, and if you desaturate by 10%, it is **65.5579, 73.0747, 78.7497**.

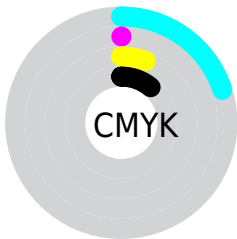
# Distribution



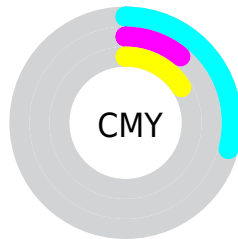
- Red (71%)
- Green (89%)
- Blue (84%)



- Red (71%)
- Yellow (82%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8981, 69.7383, 73.9749 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 58.8981, 69.7383, 73.9749 by changing the saturation by 10% instead.



■ 58.8981, 69.7383,  
73.9749

■ 58.8981, 69.7383,  
73.9749

410.4243,  
459.6306, 493.5478

■ 42.7771, 51.3132,  
54.2768

■ 102.3450,  
118.8355, 126.5939

■ 29.9041, 36.4579,  
38.4283

130.4017,  
150.2764, 160.3520

■ 19.9135, 24.7881,  
26.0109

163.1677,  
186.8246, 199.6338

■ 12.4401, 15.9192,  
16.6060

201.0083,  
228.8647, 244.8579

■ 7.1185, 9.4670,  
9.7950

244.2889,  
276.7809, 296.4428

■ 3.5833, 5.0470,  
5.1594

293.3749,

■ 1.4692, 2.2749,

330.9577, 354.8070

2.2807

348.6316,  
391.7795, 420.3692

■ 0.3047, 0.7604,  
0.7204

■ 0.0000, 0.0000,  
0.0000

■ 58.8981, 69.7383,  
73.9749

■ 58.8981, 69.7383,  
73.9749

■ 53.1450, 66.8692,  
69.4216

■ 65.5579, 73.0747,  
78.7497

■ 48.2505, 64.4370,  
65.0810


■ 73.1579, 76.8899,  
83.7452


■ 44.1710, 62.4211,  
60.9506


■ 81.7370, 81.2059,  
88.9665

■ 40.8563, 60.7958,  
57.0259


■ 84.4739, 82.5062,  
94.0965


 38.2509, 59.5324,  
53.3020


 85.4675, 82.9036,  
99.3289


 36.2913, 58.5982,  
49.7739

 86.4968, 83.3153,  
104.7488

 34.9021, 57.9545,  
46.4357

 86.7604, 83.4207,  
106.1368

 33.9551, 57.5352,  
43.2792

 33.9400, 57.5286,  
43.2253

# Harmonies

## Analogous

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



60.1768, 69.7383, 63.9223



58.8981, 69.7383, 73.9749



59.5325, 69.7383, 85.6018

# Triad

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



58.8981, 69.7383, 73.9749



69.5794, 69.7383, 97.7793



70.8206, 69.7383, 59.2693

# Complementary

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



58.8981, 69.7383, 73.9749



58.2593, 53.7288, 58.9329

# 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.



73.5280, 69.7383, 67.0215



58.8981, 69.7383, 73.9749



72.7913, 69.7383, 89.3615

# Square

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



58.8981, 69.7383, 73.9749



65.5968, 69.7383, 100.1159



74.2633, 69.7383, 77.9257



66.9763, 69.7383, 55.9964



# Rectangle

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



58.8981, 69.7383, 73.9749



60.9688, 69.7383, 92.5992



74.2633, 69.7383, 77.9257



71.8999, 69.7383, 61.3973

# Sweetspot

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



58.9001, 69.7412, 73.9765



88.9397, 96.9313, 104.9414



58.5499, 69.9874, 54.6801



18.9003, 20.6788, 22.3709



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

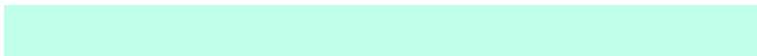


# Same Dimension

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



58.9001, 69.7412, 73.9765



73.2892, 89.0959, 93.6982



58.2302, 65.6366, 82.2765



14.6206, 16.2617, 17.5329



19.8459, 33.5705, 25.4866



1.5063, 2.4966, 2.0928



# Inverse Universe

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



58.2593, 53.7288, 58.9329



72.3058, 64.4820, 70.5814



58.7551, 56.9719, 52.1571



14.5474, 14.4361, 15.8170



19.0854, 9.7684, 4.0785

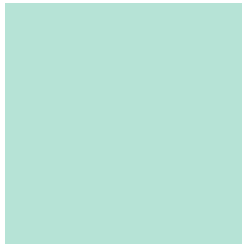


1.4496, 0.7375, 0.5081



# Previews

## White Background



This preview shows how the XYZ color 58.8981, 69.7383, 73.9749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

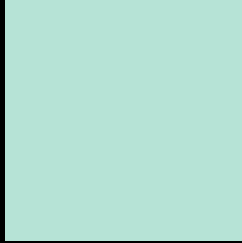
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8981, 69.7383, 73.9749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

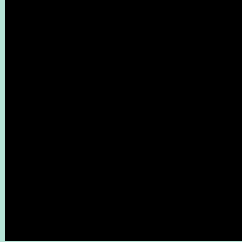
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

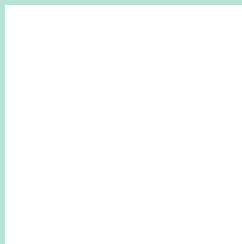
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.8981, 69.7383, 73.9749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8981, 69.7383, 73.9749.



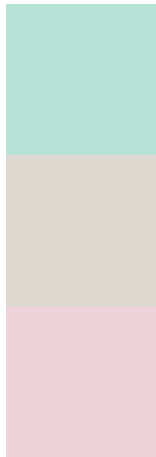
This preview shows how white text looks on a background with the XYZ color 58.8981, 69.7383,



# 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

58.8981, 69.7383, 73.9749

### Protanopia

66.3725, 69.3538, 69.5629

### Deuteranopia

70.4960, 69.1075, 75.2692



## Tritanopia

62.7584, 69.6910, 93.3631

# Trichromacy



## Original Color

58.8981, 69.7383, 73.9749

## Protanomaly

63.2385, 69.2494, 71.0062

## Deuteranomaly

65.5658, 68.8213, 74.7939

## Tritanomaly

61.0870, 69.3951, 85.7763

# Monochromacy



## Original Color

58.8981, 69.7383, 73.9749

## 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 58.8981, 69.7383, 73.9749 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, 227, 214)` looks like.

```
.text, #text, p{  
    color:rgb(182, 227, 214)  
}
```

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, 227, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 227, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8981, 69.7383, 73.9749 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, 227, 214) }
```



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

```
.border{ border-color:rgb(182, 227, 214) }
```

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

Here you see how a box with a 4 pixel rgb(182, 227, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 227, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 227, 214);  
box-shadow:4px 4px 4px 4px rgb(182, 227,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8981, 69.7383, 73.9749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 227, 214) }
```

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

```
.background{ background-color: rgb(182,  
227, 214) }
```

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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