

# Converting Colors

XYZ(58.2188, 69.5182, 71.5792)

Have a look what the booklet for  
XYZ(58.2188, 69.5182, 71.5792)  
contains.

<b>XYZ(58.1580, 69.4151, 71.3060)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.1580, 69.4151,  
71.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5E3D2
RGB	181, 227, 210
RGB Percent	71%, 89%, 82%
CMY	0.2902, 0.1098, 0.1765
CMYK	0.20, 0.00, 0.07, 0.11
HSL	158°, 45%, 80%
HSV	158°, 20%, 89%
XYZ	58.1580, 69.4151, 71.3060
YIQ	211.3080, -21.9590, -15.0390

# Conversions

## Conversions Part 2

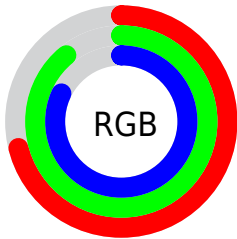
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 209, 227
Decimal	11920338
CIELab	86.71, -18.23, 3.40
CIELCh	87, 18.544, 169.423
Yxy	69.4151, 0.2924, 0.3490
Android (android.graphics.Color)	4290110418 (0xFFB5E3D2)
YUV	211.3080, -0.6448, -26.5801
Hunter-Lab	83.3157, -21.2018, 7.5775

# Details

The XYZ color **58.1580, 69.4151, 71.3060** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.3979, 53.4576, 60.6695**, and the grayscale version is **62.1366, 65.3725, 71.1907**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **29.5057, 36.4174, 36.9266** is the 20% darker color. If you saturate the color by 10%, you get **52.2450, 66.4864, 65.7158**, and if you desaturate by 10%, it is **64.9970, 72.8186, 77.2286**.

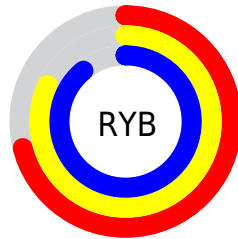
# Distribution



Red (71%)

Green (89%)

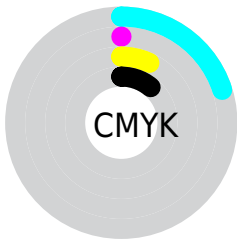
Blue (82%)



Red (71%)

Yellow (82%)

Blue (89%)

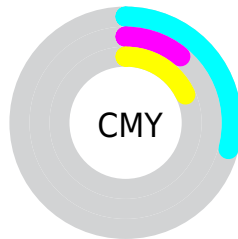


Cyan (20%)

Magenta (0%)

Yellow (7%)

Black (11%)



Cyan (29%)

Magenta (11%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1580, 69.4151, 71.3060 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 58.1580, 69.4151, 71.3060 by changing the saturation by 10% instead.





 58.1580, 69.4151,  
71.3060

 58.1580, 69.4151,  
71.3060


407.7188,  
458.4936, 484.0349

 42.1794, 51.0498,  
52.1086


 101.2746,  
118.3743, 122.7679

 29.4335, 36.2483,  
36.7088

129.1433,  
149.7370, 155.8694

 19.5550, 24.6260,  
24.6881


161.7060,  
186.2009, 194.4427

 12.1783, 15.7986,  
15.6279

199.3283,  
228.1506, 238.9063

 6.9383, 9.3818,  
9.1098

242.3753,  
275.9703, 289.6788

 3.4695, 4.9910,  
4.7150


291.2125,


 1.4067, 2.2420,


330.0444, 347.1787


2.0253


346.2052,  
390.7574, 411.8245

 0.2610, 0.7427,  
0.5707


 0.0000, 0.0000,  
0.0000


 58.1580, 69.4151,  
71.3060


 58.1580, 69.4151,  
71.3060


 52.2450, 66.4864,  
65.7158


 64.9970, 72.8186,  
77.2286

 47.2094, 64.0018,  
60.4469

 72.7960, 76.7088,  
83.4851

 43.0067, 61.9405,  
55.4944

 81.5945, 81.1076,  
90.0829

 39.5865, 60.2765,  
50.8514

 84.9732, 82.7059,  
96.7256

■ 36.8921, 58.9808,  
46.5104

■ 86.2736, 83.2261,  
103.5736

■ 34.8592, 58.0203,  
42.4638

■ 86.7604, 83.4208,  
106.1368

■ 33.4113, 57.3556,  
38.7030

■ 32.4360, 56.9270,  
35.3056

# Harmonies

## Analogous

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



59.8781, 69.4151, 61.1644



58.1580, 69.4151, 71.3060



58.4628, 69.4151, 83.7552

# Triad

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



58.1580, 69.4151, 71.3060



68.7726, 69.4151, 100.2586



71.5182, 69.4151, 58.9431

# Complementary

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



58.1580, 69.4151, 71.3060



58.3979, 53.4576, 60.6695

# 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.



74.1089, 69.4151, 67.9572



58.1580, 69.4151, 71.3060



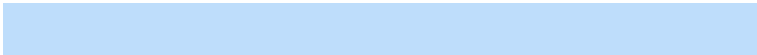
72.4766, 69.4151, 92.1022

# Square

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



58.1580, 69.4151, 71.3060



64.4668, 69.4151, 101.4072



74.4671, 69.4151, 80.0240



67.5106, 69.4151, 54.5607



# Rectangle

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



58.1580, 69.4151, 71.3060



59.7775, 69.4151, 91.6847



74.4671, 69.4151, 80.0240



72.5909, 69.4151, 61.4832

# Sweetspot

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



58.1600, 69.4180, 71.3076



88.7462, 96.8539, 103.9222



59.2679, 70.3695, 54.1760



18.8545, 20.6605, 22.1297



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

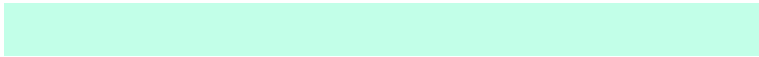


# Same Dimension

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



58.1600, 69.4180, 71.3076



72.5764, 88.8107, 89.9442



58.9474, 67.4206, 82.5831



14.5696, 16.2413, 17.2645



18.9740, 33.2217, 20.8953



1.4466, 2.4728, 1.7783



# Inverse Universe

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



58.3979, 53.4576, 60.6695



72.9364, 64.7342, 73.9016



57.6575, 54.9414, 51.2829



14.5961, 14.4556, 16.0737



19.4577, 9.9173, 6.0391

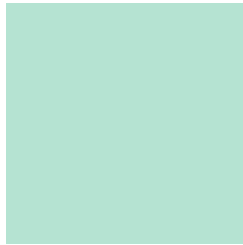


1.4815, 0.7503, 0.6761



# Previews

## White Background



This preview shows how the XYZ color 58.1580, 69.4151, 71.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

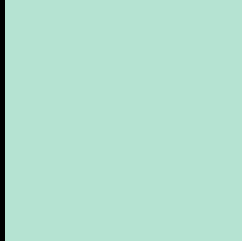
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.1580, 69.4151, 71.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

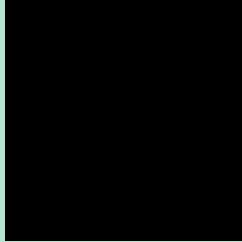
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

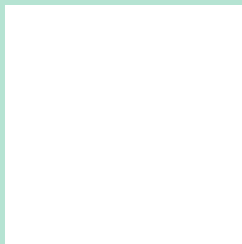
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.1580, 69.4151, 71.3060

## Background



This preview shows how black text looks on a background with the XYZ color 58.1580, 69.4151, 71.3060.



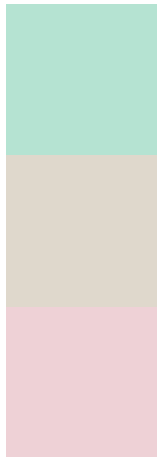
This preview shows how white text looks on a background with the XYZ color 58.1580, 69.4151,



# 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

58.1580, 69.4151, 71.3060

### Protanopia

65.8864, 69.1593, 67.0032

### Deuteranopia

70.1980, 68.6331, 73.1660



## Tritanopia

62.6094, 69.6314, 92.5784

# Trichromacy



**Original Color**

58.1580, 69.4151, 71.3060

**Protanomaly**

62.7462, 69.0525, 68.4139

**Deuteranomaly**

65.1814, 68.6675, 72.7695

**Tritanomaly**

60.8061, 69.2827, 84.2968

# Monochromacy



**Original Color**

58.1580, 69.4151, 71.3060

**Achromatopsia**

61.9161, 65.1406, 70.9381

**Achromatomaly**

60.3901, 66.6082, 71.3018

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1580, 69.4151, 71.3060 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(181, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(181, 227, 210)  
}
```

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(181, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 227, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1580, 69.4151, 71.3060 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(181, 227, 210) }
```



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

```
.border{ border-color:rgb(181, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(181, 227,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1580, 69.4151, 71.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 227, 210) }
```

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

```
.background{ background-color: rgb(181,  
227, 210) }
```

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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