

# Converting Colors

XYZ(58.3385, 69.5294, 72.2438)

Have a look what the booklet for  
XYZ(58.3385, 69.5294, 72.2438)  
contains.

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# Color

**XYZ(58.2830, 69.4651,  
71.9643)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B5E3D3
RGB	181, 227, 211
RGB Percent	71%, 89%, 83%
CMY	0.2902, 0.1098, 0.1725
CMYK	0.20, 0.00, 0.07, 0.11
HSL	159°, 45%, 80%
HSV	159°, 20%, 89%
XYZ	58.2830, 69.4651, 71.9643
YIQ	211.4220, -22.2800, -14.7280

# Conversions

## Conversions Part 2

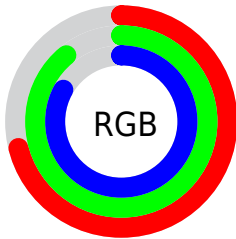
Format	Color
<a href="#">RYB</a>	<a href="#">181, 209, 227</a>
Decimal	<a href="#">11920339</a>
CIELab	<a href="#">86.73, -18.03, 2.91</a>
CIELCh	<a href="#">87, 18.265, 170.821</a>
Yxy	<a href="#">69.4651, 0.2918, 0.3478</a>
Android (android.graphics.Color)	<a href="#">4290110419</a> ( <a href="#">0xFFB5E3D3</a> )
YUV	<a href="#">211.4220, -0.2080, -26.6801</a>
Hunter-Lab	<a href="#">83.3457, -21.0314, 7.1485</a>

# Details

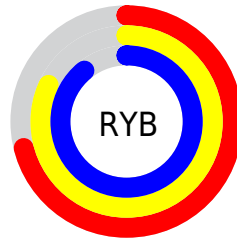
The XYZ color **58.2830, 69.4651, 71.9643** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2829, 53.4116, 60.0639**, and the grayscale version is **62.2094, 65.4491, 71.2741**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **29.5907, 36.4514, 37.3745** is the 20% darker color. If you saturate the color by 10%, you get **52.4223, 66.5573, 66.6494**, and if you desaturate by 10%, it is **65.0635, 72.8452, 77.5791**.

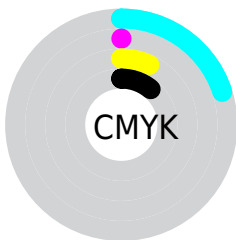
# Distribution



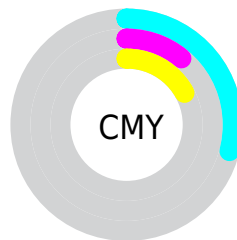
- Red (71%)
- Green (89%)
- Blue (83%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2830, 69.4651, 71.9643 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 58.2830, 69.4651, 71.9643 by changing the saturation by 10% instead.





 58.2830, 69.4651,  
71.9643

 58.2830, 69.4651,  
71.9643


408.1765,  
458.6696, 486.3915

 42.2803, 51.0906,  
52.6429


 101.4555,  
118.4456, 123.7130

 29.5129, 36.2807,  
37.1320


129.3560,  
149.8204, 156.9774

 19.6154, 24.6511,  
25.0131


161.9532,  
186.2975, 195.7265

 12.2224, 15.8173,  
15.8677

199.6124,  
228.2611, 240.3788

 6.9686, 9.3949,  
9.2772

242.6989,  
276.0957, 291.3529

 3.4886, 4.9997,  
4.8232


291.5783,

 1.4171, 2.2471,


330.1858, 349.0674


2.0870


346.6157,  
390.9156, 413.9408


 0.2684, 0.7455,  
0.6080


 0.0000, 0.0000,  
0.0000


 58.2830, 69.4651,  
71.9643


 58.2830, 69.4651,  
71.9643


 52.4223, 66.5573,  
66.6494


 65.0635, 72.8452,  
77.5791


 47.4329, 64.0912,  
61.6240

 72.7978, 76.7095,  
83.4946

 43.2706, 62.0461,  
56.8841

 81.5251, 81.0799,  
89.7174

 39.8850, 60.3959,  
52.4233

 84.8260, 82.6470,  
95.9506

■ 37.2197, 59.1118,  
48.2353

■ 86.0420, 83.1334,  
102.3538

■ 35.2104, 58.1608,  
44.3130

■ 86.7604, 83.4208,  
106.1368

■ 33.7808, 57.5034,  
40.6489

■ 32.8186, 57.0800,  
37.3200

# Harmonies

## Analogous

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



59.8916, 69.4651, 61.7959



58.2830, 69.4651, 71.9643



58.6786, 69.4651, 84.2613

# Triad

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



58.2830, 69.4651, 71.9643



68.9714, 69.4651, 99.6818



71.3215, 69.4651, 58.9089

# Complementary

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



58.2830, 69.4651, 71.9643



58.2829, 53.4116, 60.0639

# 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.



73.9592, 69.4651, 67.6198



58.2830, 69.4651, 71.9643



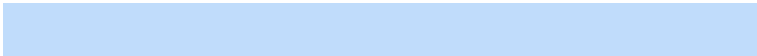
72.5624, 69.4651, 91.4014

# Square

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



58.2830, 69.4651, 71.9643



64.7298, 69.4651, 101.1658



74.4228, 69.4651, 79.4299



67.3363, 69.4651, 54.8085



# Rectangle

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



58.2830, 69.4651, 71.9643



60.0327, 69.4651, 91.9855



74.4228, 69.4651, 79.4299



72.4022, 69.4651, 61.3480

# Sweetspot

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



58.2850, 69.4680, 71.9659



88.7982, 96.8747, 104.1962



58.8640, 70.1613, 54.1571



18.8668, 20.6654, 22.1945



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

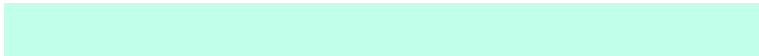


# Same Dimension

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



58.2850, 69.4680, 71.9659



72.7665, 88.8868, 90.9456



58.5429, 66.6115, 82.4483



14.5833, 16.2468, 17.3365



19.1961, 33.3105, 22.0647



1.4620, 2.4789, 1.8593



# Inverse Universe

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



58.2829, 53.4116, 60.0639



72.7646, 64.6655, 72.9970



57.9831, 55.5926, 51.3915



14.5829, 14.4504, 16.0042



19.3471, 9.8731, 5.4571

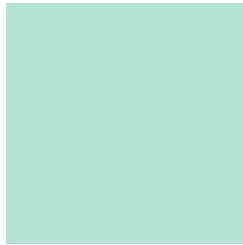


1.4723, 0.7466, 0.6278



# Previews

## White Background



This preview shows how the XYZ color 58.2830, 69.4651, 71.9643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

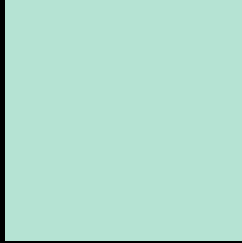
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2830, 69.4651, 71.9643 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

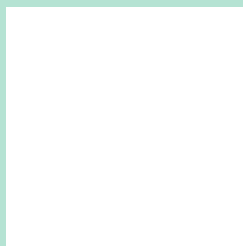
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.2830, 69.4651, 71.9643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2830, 69.4651, 71.9643.



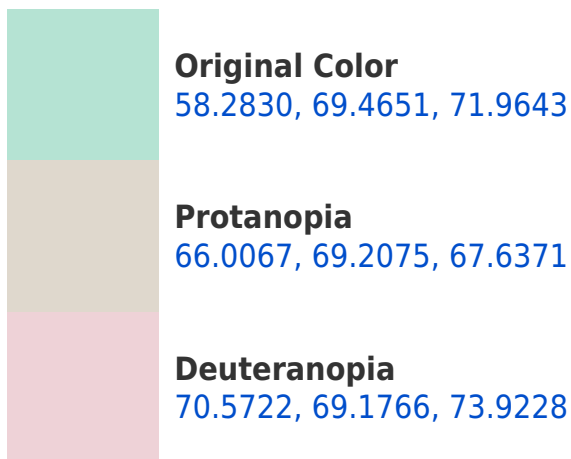
This preview shows how white text looks on a background with the XYZ color 58.2830, 69.4651,



# 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

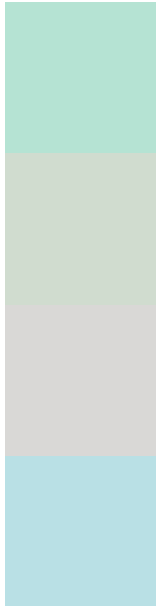




## Tritanopia

62.6094, 69.6314, 92.5784

# Trichromacy



## Original Color

58.2830, 69.4651, 71.9643

## Protanomaly

62.8681, 69.1013, 69.0559

## Deuteranomaly

65.3087, 68.7185, 73.4402

## Tritanomaly

60.8061, 69.2827, 84.2968

# Monochromacy



## Original Color

58.2830, 69.4651, 71.9643

## 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 58.2830, 69.4651, 71.9643 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(181, 227, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 227, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2830, 69.4651, 71.9643 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, 211) }
```



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

```
.border{ border-color:rgb(181, 227, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 227, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 227, 211);  
box-shadow:4px 4px 4px 4px rgb(181, 227,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2830, 69.4651, 71.9643 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, 211) }
```

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

```
.background{ background-color: rgb(181,  
227, 211) }
```

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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