

Converting Colors

XYZ(58.7597, 71.6808, 69.2187)

Have a look what the booklet for
XYZ(58.7597, 71.6808, 69.2187)
contains.

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Color

**XYZ(58.8196, 71.8728,
69.1652)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E8CE
RGB	180, 232, 206
RGB Percent	71%, 91%, 81%
CMY	0.2941, 0.0902, 0.1922
CMYK	0.22, 0.00, 0.11, 0.09
HSL	150°, 53%, 81%
HSV	150°, 22%, 91%
XYZ	58.8196, 71.8728, 69.1652
YIQ	213.4880, -22.6460, -19.1100

Conversions

Conversions Part 2

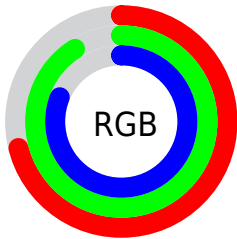
Format	Color
RYB	180, 215, 232
Decimal	11856078
CIELab	87.91, -21.79, 7.23
CIELCh	88, 22.957, 161.654
Yxy	71.8728, 0.2943, 0.3596
Android (android.graphics.Color)	4290046158 (0xFFB4E8CE)
YUV	213.4880, -3.6916, -29.3690
Hunter-Lab	84.7778, -24.5163, 10.9733

Details

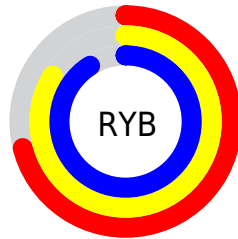
The XYZ color **58.8196, 71.8728, 69.1652** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.7431, 54.2564, 65.6667**, and the grayscale version is **63.6091, 66.9218, 72.8778**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **29.7970, 37.7533, 35.4224** is the 20% darker color. If you saturate the color by 10%, you get **52.5066, 68.7772, 61.7832**, and if you desaturate by 10%, it is **66.1447, 75.4821, 77.1407**.

Distribution



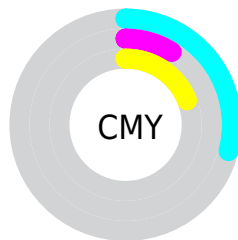
- Red (71%)
- Green (91%)
- Blue (81%)



- Red (71%)
- Yellow (84%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)





- Cyan (29%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8196, 71.8728, 69.1652 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 58.8196, 71.8728, 69.1652 by changing the saturation by 10% instead.


 58.8196, 71.8728,
69.1652

 58.8196, 71.8728,
69.1652


410.1379,
467.0987, 476.3231

 42.7137, 53.0548,
50.3737

 102.2316,
121.8757, 119.6874

 29.8541, 37.8465,
35.3371


130.2683,
153.8293, 152.2552

 19.8754, 25.8636,
23.6371


163.0128,
190.9303, 190.2521

 12.4122, 16.7216,
14.8549

200.8303,
233.5629, 234.0968

 7.0993, 10.0362,
8.5721

244.0862,
282.1117, 284.2076

 3.5711, 5.4230,
4.3702

293.1459,

 1.4625, 2.4975,

336.9610, 341.0033

1.8305

348.3746,
398.4952, 404.9023

■ 0.3001, 0.8754,
0.4480

■ 0.0000, 0.0000,
0.0000

■ 58.8196, 71.8728,
69.1652

■ 58.8196, 71.8728,
69.1652

■ 52.5066, 68.7772,
61.7832

■ 66.1447, 75.4821,
77.1407

■ 47.1524, 66.1621,
54.9759

■ 74.5198, 79.6184,
85.7182

■ 42.7080, 64.0046,
48.7307

■ 83.9883, 84.3059,
94.9122

■ 39.1172, 62.2758,
43.0323

■ 87.7330, 86.0300,
104.4142

■ 36.3173, 60.9439,
37.8649

■ 88.1480, 86.1960,
106.5993

■ 34.2366, 59.9721,
33.2117

■ 32.7886, 59.3162,
29.0544

■ 32.0101, 58.9768,
26.2181

Harmonies

Analogous

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



61.5664, 71.8728, 57.8630



58.8196, 71.8728, 69.1652



58.5329, 71.8728, 84.4932

Triad

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



58.8196, 71.8728, 69.1652



70.4570, 71.8728, 111.5733



76.4659, 71.8728, 59.9169

Complementary

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



58.8196, 71.8728, 69.1652



60.7431, 54.2564, 65.6667

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.



79.1259, 71.8728, 72.3360



58.8196, 71.8728, 69.1652



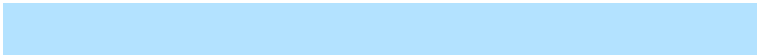
75.5351, 71.8728, 102.9557

Square

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



58.8196, 71.8728, 69.1652



65.0598, 71.8728, 110.4261



78.7764, 71.8728, 88.1131



71.6728, 71.8728, 53.0346

Rectangle

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



58.8196, 71.8728, 69.1652



59.7557, 71.8728, 95.1307



78.7764, 71.8728, 88.1131



77.6504, 71.8728, 63.5073

Sweetspot

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



58.8216, 71.8758, 69.1668



87.3811, 96.2087, 101.2134



62.7922, 74.2580, 54.2047



18.5683, 20.5260, 21.5257



0.0000, 0.0000, 0.0000



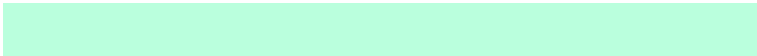
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8216, 71.8758, 69.1668



69.0405, 87.1756, 81.2964



62.1241, 73.1968, 86.5577



14.4884, 16.2088, 16.8364



17.8335, 32.7655, 14.8895



1.3647, 2.4400, 1.3472

Inverse Universe

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



60.7431, 54.2564, 65.6667



71.8254, 61.6390, 76.2235



57.9289, 53.1307, 50.8475



14.6761, 14.4876, 16.4945



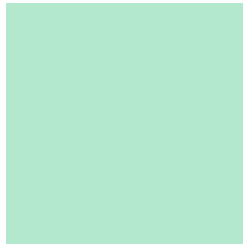
20.2890, 10.2498, 10.4166



1.5462, 0.7762, 1.0167

Previews

White Background



This preview shows how the XYZ color 58.8196, 71.8728, 69.1652 looks on a white background.

Color Contrast Check

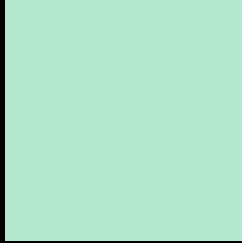
Large Text (above 18pt) WCAG AA × Fail

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 58.8196, 71.8728, 69.1652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

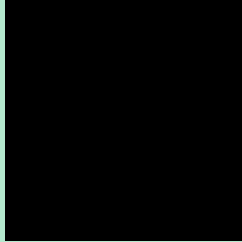
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

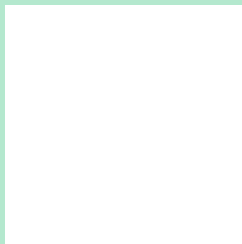
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8196, 71.8728, 69.1652

Background



This preview shows how black text looks on a background with the XYZ color 58.8196, 71.8728, 69.1652.

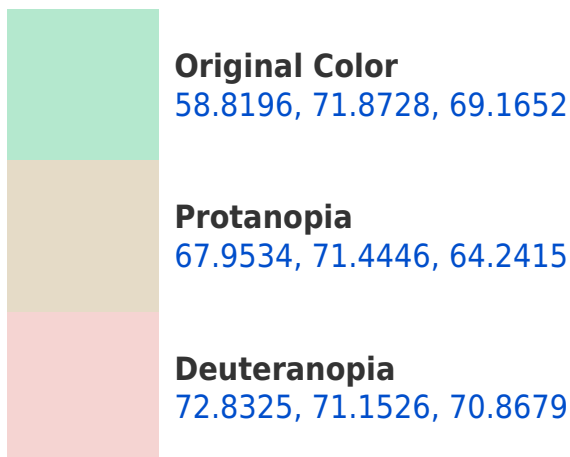


This preview shows how white text looks on a background with the XYZ color 58.8196, 71.8728,

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

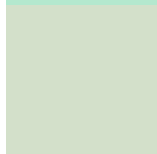
64.1713, 71.5501, 96.8146

Trichromacy



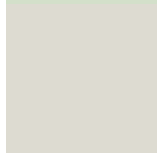
Original Color

58.8196, 71.8728, 69.1652



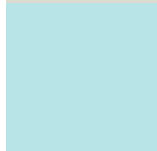
Protanomaly

64.1803, 71.4245, 66.2808



Deuteranomaly

66.6589, 70.6386, 70.4429



Tritanomaly

61.9344, 71.4467, 86.1276

Monochromacy



Original Color

58.8196, 71.8728, 69.1652



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.3135, 68.2570, 70.9161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8196, 71.8728, 69.1652 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, 232, 206)` looks like.

```
.text, #text, p{  
    color:rgb(180, 232, 206)  
}
```

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, 232, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 232, 206) }
```

Border

The CSS property to change the border of an element to XYZ 58.8196, 71.8728, 69.1652 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, 232, 206) }
```


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

```
.border{ border-color:rgb(180, 232, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 232, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 232, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 232, 206);  
box-shadow:4px 4px 4px 4px rgb(180, 232,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8196, 71.8728, 69.1652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 232, 206) }
```

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

```
.background{ background-color: rgb(180,  
232, 206) }
```

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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