

Converting Colors

XYZ(58.0045, 71.4007, 69.6835)

Have a look what the booklet for
XYZ(58.0045, 71.4007, 69.6835)
contains.

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Color

**XYZ(58.0236, 71.4483,
69.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E8CF
RGB	176, 232, 207
RGB Percent	69%, 91%, 81%
CMY	0.3098, 0.0902, 0.1882
CMYK	0.24, 0.00, 0.11, 0.09
HSL	153°, 55%, 80%
HSV	153°, 24%, 91%
XYZ	58.0236, 71.4483, 69.7642
YIQ	212.4060, -25.3510, -19.6470

Conversions

Conversions Part 2

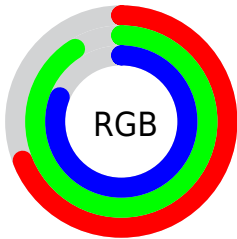
Format	Color
RYB	176, 212, 232
Decimal	11593935
CIELab	87.70, -22.84, 6.38
CIELCh	88, 23.711, 164.398
Yxy	71.4483, 0.2912, 0.3586
Android (android.graphics.Color)	4289784015 (0xFFB0E8CF)
YUV	212.4060, -2.6652, -31.9281
Hunter-Lab	84.5271, -25.3911, 10.2341

Details

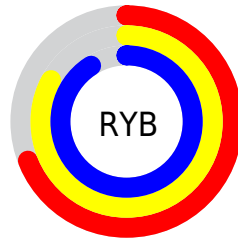
The XYZ color **58.0236, 71.4483, 69.7642** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.3492, 52.4254, 62.2525**, and the grayscale version is **62.8803, 66.1550, 72.0428**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **29.3011, 37.4882, 35.8286** is the 20% darker color. If you saturate the color by 10%, you get **51.9946, 68.4837, 63.0878**, and if you desaturate by 10%, it is **65.0361, 74.9142, 76.9234**.

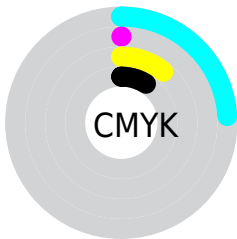
Distribution



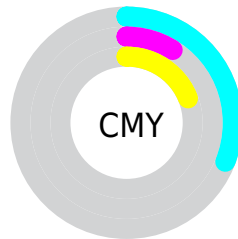
- Red (69%)
- Green (91%)
- Blue (81%)



- Red (69%)
- Yellow (83%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0236, 71.4483, 69.7642 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 58.0236, 71.4483, 69.7642 by changing the saturation by 10% instead.

■ 58.0236, 71.4483,
69.7642

■ 58.0236, 71.4483,
69.7642

407.2263,
465.6191, 478.4884

■ 42.0710, 52.7081,
50.8587

■ 101.0800,
121.2718, 120.5504

■ 29.3482, 37.5698,
35.7202

128.9145,
153.1240, 153.2682

■ 19.4900, 25.6490,
23.9302

161.4402,
190.1156, 191.4271

■ 12.1310, 16.5612,
15.0701

199.0227,
232.6310, 235.4458

■ 6.9058, 9.9222,
8.7215

242.0272,
281.0547, 285.7427

■ 3.4490, 5.3474,
4.4656

290.8190,

■ 1.3954, 2.4525,

335.7710, 342.7364

1.8841

345.7636,
397.1643, 406.8455

■ 0.2530, 0.8527,
0.4826

■ 0.0000, 0.0000,
0.0000

■ 58.0236, 71.4483,
69.7642

■ 58.0236, 71.4483,
69.7642

■ 51.9946, 68.4837,
63.0878

■ 65.0361, 74.9142,
76.9234

■ 46.8961, 65.9875,
56.8789

■ 73.0702, 78.8949,
84.5707

■ 42.6788, 63.9363,
51.1282

■ 82.1688, 83.4145,
92.7173

■ 39.2864, 62.3014,
45.8244

■ 87.1086, 85.7801,
101.1265

■ 36.6555, 61.0501,
40.9554

■ 88.1479, 86.1958,
106.5993

■ 34.7132, 60.1453,
36.5084

■ 33.3706, 59.5411,
32.4695

■ 32.7822, 59.2855,
30.2841

Harmonies

Analogous

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



60.6258, 71.4483, 57.7105



58.0236, 71.4483, 69.7642



57.9707, 71.4483, 85.7473

Triad

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



58.0236, 71.4483, 69.7642



70.6322, 71.4483, 111.7883



75.9273, 71.4483, 58.0883

Complementary

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



58.0236, 71.4483, 69.7642



59.3492, 52.4254, 62.2525

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.



78.9239, 71.4483, 70.3503



58.0236, 71.4483, 69.7642



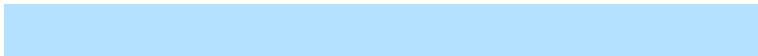
75.7543, 71.4483, 102.0702

Square

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



58.0236, 71.4483, 69.7642



65.0442, 71.4483, 111.5740



78.8589, 71.4483, 86.4197



70.8577, 71.4483, 51.6310

Rectangle

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



58.0236, 71.4483, 69.7642



59.3770, 71.4483, 96.6223



78.8589, 71.4483, 86.4197



77.2225, 71.4483, 61.5876

Sweetspot

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



58.0256, 71.4513, 69.7658



87.5284, 96.2677, 101.9888



60.8367, 73.2962, 52.0165



18.6024, 20.5397, 21.7053



0.0000, 0.0000, 0.0000



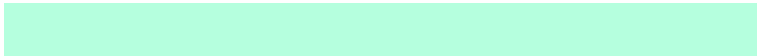
20.3446, 21.4041, 23.3091

Same Dimension

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



58.0256, 71.4513, 69.7658



68.0105, 86.6229, 82.2316



60.5471, 71.2087, 86.9009



14.5216, 16.2221, 17.0114



18.2630, 32.9373, 17.1510



1.3962, 2.4526, 1.5129

Inverse Universe

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



59.3492, 52.4254, 62.2525



69.9200, 59.1865, 71.4013



57.1974, 52.4522, 48.1851



14.6431, 14.4744, 16.3208



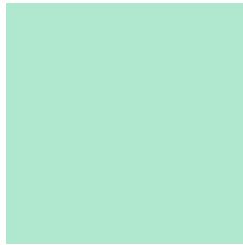
19.9117, 10.0989, 8.4299



1.5176, 0.7647, 0.8662

Previews

White Background



This preview shows how the XYZ color 58.0236, 71.4483, 69.7642 looks on a white background.

Color Contrast Check

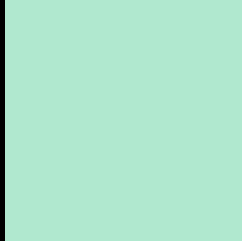
Large Text (above 18pt) WCAG AA × Fail

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 58.0236, 71.4483, 69.7642 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

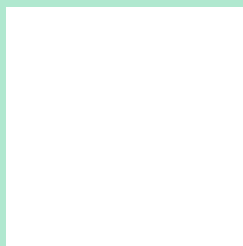
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.0236, 71.4483, 69.7642

Background



This preview shows how black text looks on a background with the XYZ color 58.0236, 71.4483, 69.7642.



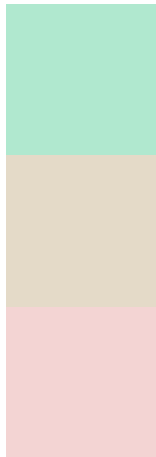
This preview shows how white text looks on a background with the XYZ color 58.0236, 71.4483, 69.7642.

69.7642.

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

58.0236, 71.4483, 69.7642

Protanopia

67.4916, 70.8069, 64.7535

Deuteranopia

72.2635, 70.8448, 71.4937



Tritanopia

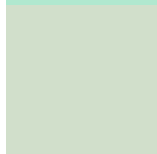
63.4790, 71.5980, 96.8603

Trichromacy



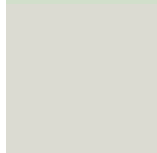
Original Color

58.0236, 71.4483, 69.7642



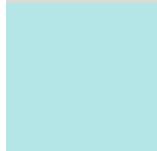
Protanomaly

63.4617, 70.6425, 66.7905



Deuteranomaly

66.1778, 70.3762, 71.0688



Tritanomaly

61.2655, 71.5114, 86.1754

Monochromacy



Original Color

58.0236, 71.4483, 69.7642



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.5176, 67.4583, 70.8039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0236, 71.4483, 69.7642 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(176, 232, 207)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 207)  
}
```

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(176, 232, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 207) }
```

Border

The CSS property to change the border of an element to XYZ 58.0236, 71.4483, 69.7642 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(176, 232, 207) }
```


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

```
.border{ border-color:rgb(176, 232, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 232, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 207);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0236, 71.4483, 69.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 207) }
```

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

```
.background{ background-color: rgb(176,  
232, 207) }
```

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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