

Converting Colors

XYZ(58.1970, 71.3003, 71.6349)

Have a look what the booklet for
XYZ(58.1970, 71.3003, 71.6349)
contains.

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Color

**XYZ(58.3940, 71.5965,
71.7146)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E8D2
RGB	176, 232, 210
RGB Percent	69%, 91%, 82%
CMY	0.3098, 0.0902, 0.1765
CMYK	0.24, 0.00, 0.09, 0.09
HSL	156°, 55%, 80%
HSV	156°, 24%, 91%
XYZ	58.3940, 71.5965, 71.7146
YIQ	212.7480, -26.3140, -18.7140

Conversions

Conversions Part 2

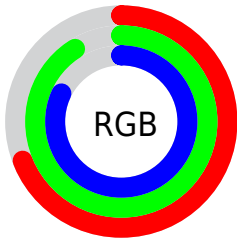
Format	Color
RYB	176, 211, 232
Decimal	11593938
CIELab	87.77, -22.25, 4.91
CIELCh	88, 22.780, 167.556
Yxy	71.5965, 0.2895, 0.3550
Android (android.graphics.Color)	4289784018 (0xFFB0E8D2)
YUV	212.7480, -1.3548, -32.2280
Hunter-Lab	84.6147, -24.8900, 8.9795

Details

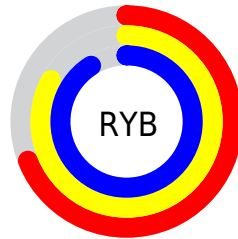
The XYZ color **58.3940, 71.5965, 71.7146** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.9996, 52.2856, 60.4117**, and the grayscale version is **63.1005, 66.3866, 72.2950**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **29.5521, 37.5885, 37.1502** is the 20% darker color. If you saturate the color by 10%, you get **52.4867, 68.6806, 65.6787**, and if you desaturate by 10%, it is **65.2665, 75.0064, 78.1364**.

Distribution



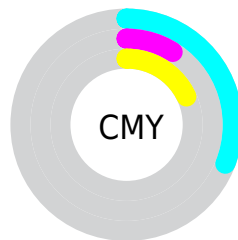
- Red (69%)
- Green (91%)
- Blue (82%)



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



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



- Cyan (31%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3940, 71.5965, 71.7146 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 58.3940, 71.5965, 71.7146 by changing the saturation by 10% instead.

■ 58.3940, 71.5965,
71.7146

■ 58.3940, 71.5965,
71.7146

408.5827,
466.1359, 485.4984

■ 42.3700, 52.8291,
52.4402

■ 101.6161,
121.4827, 123.3546

■ 29.5835, 37.6664,
36.9714

129.5448,
153.3703, 156.5573

■ 19.6691, 25.7239,
24.8897

162.1725,
190.4001, 195.2398

■ 12.2616, 16.6172,
15.7766

199.8645,
232.9565, 239.8206

■ 6.9956, 9.9619,
9.2136

242.9862,
281.4239, 290.7184

■ 3.5056, 5.3737,
4.7821

291.9029,

■ 1.4265, 2.4682,

336.1867, 348.3516

2.0635

346.9799,
397.6292, 413.1387

■ 0.2750, 0.8606,
0.5939

■ 0.0000, 0.0000,
0.0000

■ 58.3940, 71.5965,
71.7146

■ 58.3940, 71.5965,
71.7146

■ 52.4867, 68.6806,
65.6787

■ 65.2665, 75.0064,
78.1364

■ 47.4919, 66.2259,
60.0162

■ 73.1416, 78.9235,
84.9468

■ 43.3610, 64.2092,
54.7205

■ 82.0620, 83.3719,
92.1545

■ 40.0382, 62.6021,
49.7832

■ 86.8036, 85.6582,
99.5204

■ 37.4607, 61.3723,
45.1954

■ 88.1479, 86.1959,
106.5993

■ 35.5562, 60.4825,
40.9474

■ 34.2364, 59.8875,
37.0287

■ 33.6546, 59.6346,
34.8784

Harmonies

Analogous

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



60.6626, 71.5965, 59.5385



58.3940, 71.5965, 71.7146



58.6110, 71.5965, 87.2877

Triad

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



58.3940, 71.5965, 71.7146



71.2350, 71.5965, 109.9317



75.3109, 71.5965, 57.9829

Complementary

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



58.3940, 71.5965, 71.7146



58.9996, 52.2856, 60.4117

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.



78.4523, 71.5965, 69.3150



58.3940, 71.5965, 71.7146



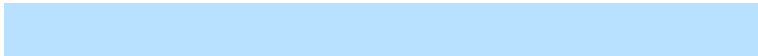
76.0148, 71.5965, 99.8277

Square

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



58.3940, 71.5965, 71.7146



65.8345, 71.5965, 110.7985



78.7165, 71.5965, 84.5503



70.3154, 71.5965, 52.3447

Rectangle

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



58.3940, 71.5965, 71.7146



60.1363, 71.5965, 97.5515



78.7165, 71.5965, 84.5503



76.6299, 71.5965, 61.1785

Sweetspot

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



58.3960, 71.5995, 71.7162



87.6764, 96.3269, 102.7682



60.0898, 72.9112, 51.9816



18.6367, 20.5534, 21.8859



0.0000, 0.0000, 0.0000



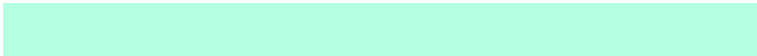
20.3446, 21.4041, 23.3091

Same Dimension

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



58.3960, 71.5995, 71.7162



68.5478, 86.8378, 85.0609



59.7776, 69.6698, 86.6444



14.5550, 16.2354, 17.1875



18.7465, 33.1307, 19.6973



1.4307, 2.4664, 1.6944

Inverse Universe

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



58.9996, 52.2856, 60.4117



69.4199, 58.9864, 68.7676



57.7636, 53.5845, 48.3738



14.6103, 14.4613, 16.1483



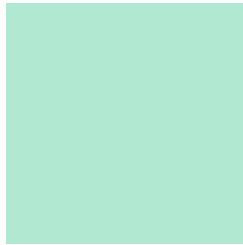
19.5847, 9.9681, 6.7079



1.4918, 0.7544, 0.7306

Previews

White Background



This preview shows how the XYZ color 58.3940, 71.5965, 71.7146 looks on a white background.

Color Contrast Check

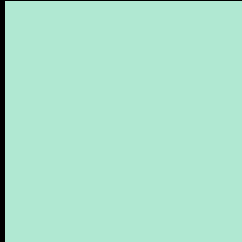
Large Text (above 18pt) WCAG AA × Fail

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 58.3940, 71.5965, 71.7146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

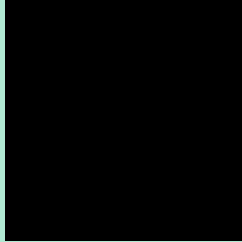
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

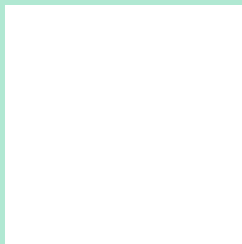
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.3940, 71.5965, 71.7146

Background



This preview shows how black text looks on a background with the XYZ color 58.3940, 71.5965, 71.7146.



This preview shows how white text looks on a background with the XYZ color 58.3940, 71.5965,

71.7146.

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

58.3940, 71.5965, 71.7146

Protanopia

67.7896, 71.3057, 66.6904

Deuteranopia

72.2990, 70.8193, 73.4772



Tritanopia

63.4790, 71.5980, 96.8603

Trichromacy



Original Color

58.3940, 71.5965, 71.7146

Protanomaly

63.8087, 71.1774, 68.7681

Deuteranomaly

66.2552, 70.3726, 73.0420

Tritanomaly

61.4072, 71.5681, 86.9215

Monochromacy



Original Color

58.3940, 71.5965, 71.7146

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.2963, 68.2192, 72.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3940, 71.5965, 71.7146 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 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(176, 232, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 210) }
```

Border

The CSS property to change the border of an element to XYZ 58.3940, 71.5965, 71.7146 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, 210) }
```


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

```
.border{ border-color:rgb(176, 232, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 210);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3940, 71.5965, 71.7146 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, 210) }
```

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

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