

Converting Colors

XYZ(59.1741, 71.7604, 75.8943)

Have a look what the booklet for
XYZ(59.1741, 71.7604, 75.8943)
contains.

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Color

**XYZ(59.1558, 71.9012,
75.7262)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E8D8
RGB	176, 232, 216
RGB Percent	69%, 91%, 85%
CMY	0.3098, 0.0902, 0.1529
CMYK	0.24, 0.00, 0.07, 0.09
HSL	163°, 55%, 80%
HSV	163°, 24%, 91%
XYZ	59.1558, 71.9012, 75.7262
YIQ	213.4320, -28.2400, -16.8480

Conversions

Conversions Part 2

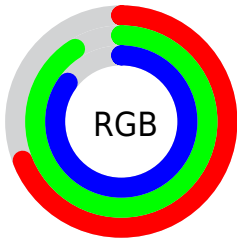
Format	Color
R _Y B	176, 209, 232
Decimal	11593944
CIE _{Lab}	87.92, -21.04, 1.98
CIE _{LCh}	88, 21.131, 174.634
Y _{xy}	71.9012, 0.2861, 0.3477
Android (android.graphics.Color)	4289784024 (0xFFB0E8D8)
YUV	213.4320, 1.2660, -32.8279
Hunter-Lab	84.7946, -23.8624, 6.4070

Details

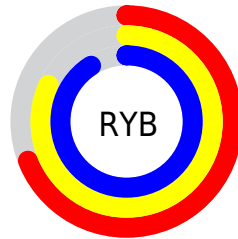
The XYZ color **59.1558, 71.9012, 75.7262** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.3210, 52.0142, 56.8382**, and the grayscale version is **63.5421, 66.8512, 72.8010**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **29.9844, 37.7615, 39.4266** is the 20% darker color. If you saturate the color by 10%, you get **53.5122, 69.0908, 71.0788**, and if you desaturate by 10%, it is **65.7346, 75.1935, 80.6009**.

Distribution



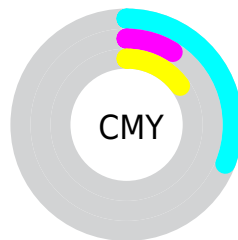
- Red (69%)
- Green (91%)
- Blue (85%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1558, 71.9012, 75.7262 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 59.1558, 71.9012, 75.7262 by changing the saturation by 10% instead.


 59.1558, 71.9012,
75.7262

 59.1558, 71.9012,
75.7262


411.3638,
467.1976, 499.7318

 42.9854, 53.0780,
55.7027


 102.7174,
121.9161, 129.0963

 30.0681, 37.8650,
39.5622


130.8393,
153.8765, 163.2801

 20.0386, 25.8779,
26.8862


163.6758,
190.9847, 203.0210

 12.5316, 16.7324,
17.2561

201.5922,
233.6252, 248.7376

 7.1815, 10.0438,
10.2534

244.9538,
282.1824, 300.8484

 3.6232, 5.4280,
5.4595


294.1260,

 1.4913, 2.5005,


337.0406, 359.7720


2.4559

349.4743,
398.5842, 425.9270


 0.3199, 0.8769,
0.8166


 0.0000, 0.0000,
0.0000


 59.1558, 71.9012,
75.7262


 59.1558, 71.9012,
75.7262


 53.5122, 69.0908,
71.0788


 65.7346, 75.1935,
80.6009


 48.7516, 66.7297,
66.6497

 73.2851, 78.9809,
85.7022

 44.8262, 64.7953,
62.4360

 81.8495, 83.2868,
91.0356

 41.6808, 63.2591,
58.4329

 86.2032, 85.4179,
96.3586

■ 39.2534, 62.0893,
54.6353

■ 87.2202, 85.8247,
101.7140

■ 37.4723, 61.2489,
51.0377

■ 88.1479, 86.1958,
106.5993

■ 36.2502, 60.6929,
47.6335

■ 35.7141, 60.4583,
45.7234

Harmonies

Analogous

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



60.7525, 71.9012, 63.3254



59.1558, 71.9012, 75.7262



59.9200, 71.9012, 90.4105

Triad

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



59.1558, 71.9012, 75.7262



72.4511, 71.9012, 106.2620



74.0922, 71.9012, 57.8032

Complementary

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



59.1558, 71.9012, 75.7262



58.3210, 52.0142, 56.8382

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.



77.5138, 71.9012, 67.3010



59.1558, 71.9012, 75.7262



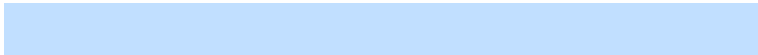
76.5342, 71.9012, 95.4397

Square

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



59.1558, 71.9012, 75.7262



67.4394, 71.9012, 109.2307



78.4286, 71.9012, 80.9073



69.2484, 71.9012, 53.8219

Rectangle

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



59.1558, 71.9012, 75.7262



61.6859, 71.9012, 99.4058



78.4286, 71.9012, 80.9073



75.4561, 71.9012, 60.3955

Sweetspot

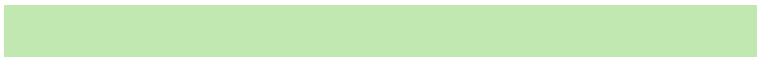
The Sweet Spot groups the original color and five complimentary colors.



59.1578, 71.9042, 75.7278



87.9747, 96.4462, 104.3389



58.6368, 72.1621, 51.9137



18.7058, 20.5810, 22.2501



0.0000, 0.0000, 0.0000



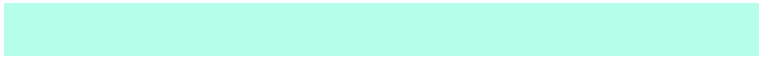
20.3446, 21.4041, 23.3091

Same Dimension

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



59.1578, 71.9042, 75.7278



69.6602, 87.2828, 90.9186



58.2760, 66.6664, 86.1438



14.6226, 16.2625, 17.5435



19.8830, 33.5853, 25.6821



1.5088, 2.4976, 2.1060

Inverse Universe

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



58.3210, 52.0142, 56.8382



68.4562, 58.6010, 63.6930



58.9303, 55.9180, 48.7628



14.5455, 14.4354, 15.8069



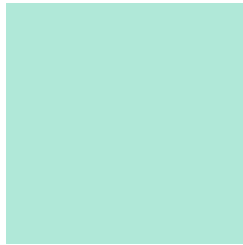
19.0727, 9.7633, 4.0121



1.4485, 0.7371, 0.5021

Previews

White Background



This preview shows how the XYZ color 59.1558, 71.9012, 75.7262 looks on a white background.

Color Contrast Check

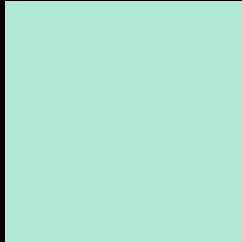
Large Text (above 18pt) WCAG AA × Fail

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 59.1558, 71.9012, 75.7262 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

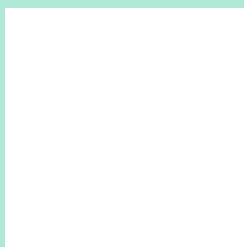
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.1558, 71.9012, 75.7262

Background



This preview shows how black text looks on a background with the XYZ color 59.1558, 71.9012, 75.7262.



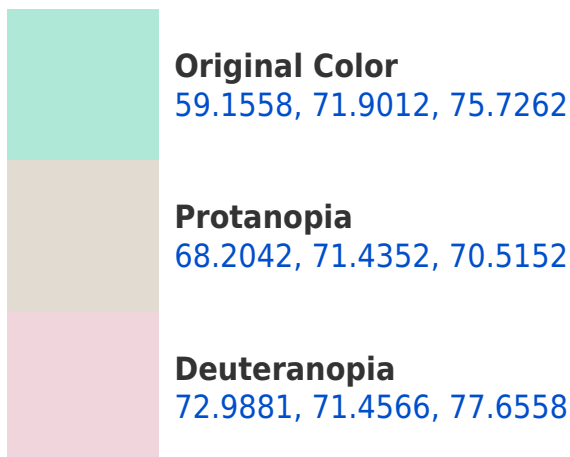
This preview shows how white text looks on a background with the XYZ color 59.1558, 71.9012,

75.7262.

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

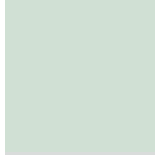
63.6694, 72.0857, 97.7470

Trichromacy



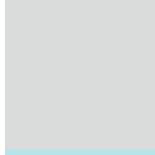
Original Color

59.1558, 71.9012, 75.7262



Protanomaly

64.5517, 71.4747, 72.6811



Deuteranomaly

66.9947, 71.0526, 77.2014



Tritanomaly

61.8371, 71.7401, 89.1853

Monochromacy



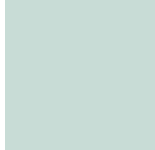
Original Color

59.1558, 71.9012, 75.7262



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.5502, 68.3208, 73.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1558, 71.9012, 75.7262 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 216) }
```

Border

The CSS property to change the border of an element to XYZ 59.1558, 71.9012, 75.7262 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, 216) }
```


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

```
.border{ border-color:rgb(176, 232, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1558, 71.9012, 75.7262 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, 216) }
```

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

```
.background{ background-color: rgb(176,  
232, 216) }
```

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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