

Converting Colors

XYZ(59.9443, 71.6250, 75.9100)

Have a look what the booklet for
XYZ(59.9443, 71.6250, 75.9100)
contains.

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Color

**XYZ(59.7475, 71.3753,
75.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E6D8
RGB	181, 230, 216
RGB Percent	71%, 90%, 85%
CMY	0.2902, 0.0980, 0.1529
CMYK	0.21, 0.00, 0.06, 0.10
HSL	163°, 50%, 81%
HSV	163°, 21%, 90%
XYZ	59.7475, 71.3753, 75.5935
YIQ	213.7530, -24.7100, -14.7420

Conversions

Conversions Part 2

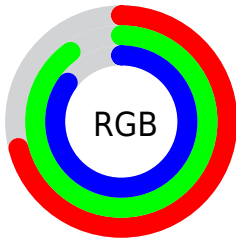
Format	Color
RYB	181, 210, 230
Decimal	11921112
CIELab	87.67, -18.53, 1.64
CIELCh	88, 18.598, 174.935
Yxy	71.3753, 0.2890, 0.3453
Android (android.graphics.Color)	4290111192 (0xFFB5E6D8)
YUV	213.7530, 1.1078, -28.7244
Hunter-Lab	84.4839, -21.6106, 6.0879

Details

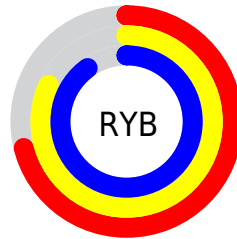
The XYZ color **59.7475, 71.3753, 75.5935** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.0098, 53.8126, 58.9094**, and the grayscale version is **63.7568, 67.0771, 73.0470**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **30.3215, 37.3573, 39.3308** is the 20% darker color. If you saturate the color by 10%, you get **53.9608, 68.4903, 70.9763**, and if you desaturate by 10%, it is **66.4626, 74.7388, 80.4346**.

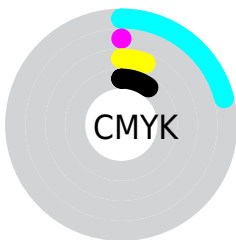
Distribution



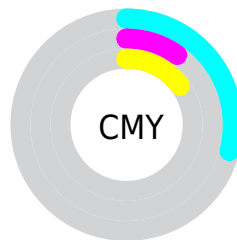
- Red (71%)
- Green (90%)
- Blue (85%)



- Red (71%)
- Yellow (82%)
- Blue (90%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)




- Cyan (29%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7475, 71.3753, 75.5935 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 59.7475, 71.3753, 75.5935 by changing the saturation by 10% instead.


 59.7475, 71.3753,
75.5935

 59.7475, 71.3753,
75.5935


413.5161,
465.3643, 499.2648

 43.4638, 52.6485,
55.5946


 103.5717,
121.1680, 128.9069

 30.4453, 37.5223,
39.4762

131.8430,
153.0026, 163.0586

 20.3266, 25.6121,
26.8197


164.8408,
189.9754, 202.7648

 12.7423, 16.5337,
17.2066

202.9306,
232.4706, 248.4443

 7.3271, 9.9026,
10.2184

246.4777,
280.8727, 300.5155

 3.7156, 5.3344,
5.4365

295.8474,

 1.5426, 2.4448,

335.5661, 359.3969

2.4424

351.4051,
396.9352, 425.5072

■ 0.3545, 0.8488,
0.8094

■ 0.0000, 0.0000,
0.0000

■ 59.7475, 71.3753,
75.5935

■ 59.7475, 71.3753,
75.5935

■ 53.9608, 68.4903,
70.9763

■ 66.4626, 74.7388,
80.4346

■ 49.0523, 66.0522,
66.5742

■ 74.1410, 78.5930,
85.4987

■ 44.9764, 64.0395,
62.3844

■ 82.8233, 82.9608,
90.7912

■ 41.6807, 62.4252,
58.4022

■ 85.6091, 84.2847,
95.9912

■ 39.1065, 61.1792,
54.6229

■ 86.6160, 84.6875,
101.2933

■ 37.1870, 60.2669,
51.0411

■ 87.5882, 85.0763,
106.4127

■ 35.8417, 59.6470,
47.6507

■ 35.0242, 59.2867,
44.8514

Harmonies

Analogous

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



61.1404, 71.3753, 64.5951



59.7475, 71.3753, 75.5935



60.4453, 71.3753, 88.3983

Triad

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



59.7475, 71.3753, 75.5935



71.4743, 71.3753, 101.8543



72.8238, 71.3753, 59.5024

Complementary

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



59.7475, 71.3753, 75.5935



59.0098, 53.8126, 58.9094

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.



75.8147, 71.3753, 67.9302



59.7475, 71.3753, 75.5935



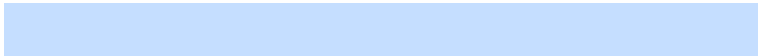
75.0122, 71.3753, 92.5023

Square

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



59.7475, 71.3753, 75.5935



67.0950, 71.3753, 104.4711



76.6323, 71.3753, 79.8770



68.5906, 71.3753, 55.9691

Rectangle

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



59.7475, 71.3753, 75.5935



62.0186, 71.3753, 96.1401



76.6323, 71.3753, 79.8770



74.0149, 71.3753, 61.8095

Sweetspot

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



59.7495, 71.3783, 75.5951



88.9474, 96.9344, 104.9817



59.3265, 71.6285, 54.4159



18.9021, 20.6795, 22.3805



0.0000, 0.0000, 0.0000



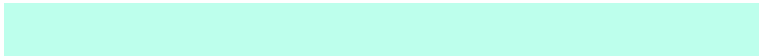
20.3446, 21.4041, 23.3091

Same Dimension

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



59.7495, 71.3783, 75.5951



71.8201, 88.3598, 92.6678



58.9869, 66.8311, 84.6572



14.6226, 16.2625, 17.5435



19.8830, 33.5853, 25.6817



1.5088, 2.4976, 2.1060

Inverse Universe

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



59.0098, 53.8126, 58.9094



70.7148, 62.0629, 67.6987



59.5631, 57.3355, 51.6446



14.5455, 14.4354, 15.8069



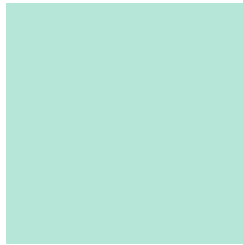
19.0728, 9.7633, 4.0122



1.4485, 0.7371, 0.5021

Previews

White Background



This preview shows how the XYZ color 59.7475, 71.3753, 75.5935 looks on a white background.

Color Contrast Check

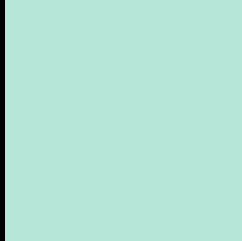
Large Text (above 18pt) WCAG AA × Fail

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 59.7475, 71.3753, 75.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

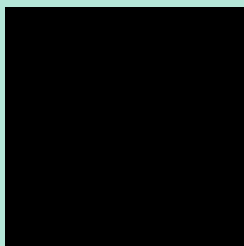
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

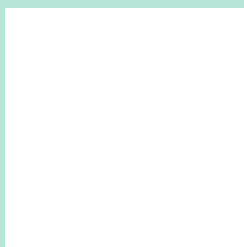
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7475, 71.3753, 75.5935

Background



This preview shows how black text looks on a background with the XYZ color 59.7475, 71.3753, 75.5935.



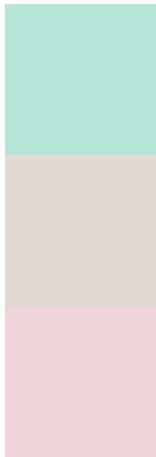
This preview shows how white text looks on a background with the XYZ color 59.7475, 71.3753,

75.5935.

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

59.7475, 71.3753, 75.5935

Protanopia

67.6314, 70.7538, 70.4139

Deuteranopia

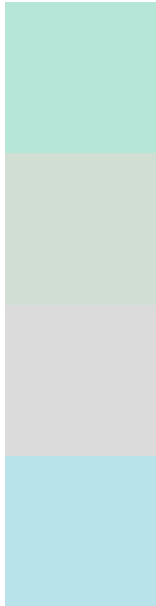
72.3969, 70.7795, 77.5562



Tritanopia

63.7752, 71.3635, 96.0012

Trichromacy



Original Color

59.7475, 71.3753, 75.5935

Protanomaly

64.2994, 70.5513, 72.5162

Deuteranomaly

67.3311, 70.8376, 77.1421

Tritanomaly

62.0875, 71.0690, 88.2872

Monochromacy



Original Color

59.7475, 71.3753, 75.5935

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.2161, 68.6493, 74.2615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7475, 71.3753, 75.5935 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, 230, 216)` looks like.

```
.text, #text, p{  
    color:rgb(181, 230, 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(181, 230, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 230, 216) }
```

Border

The CSS property to change the border of an element to XYZ 59.7475, 71.3753, 75.5935 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, 230, 216) }
```


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

```
.border{ border-color:rgb(181, 230, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 230, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 230, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 230, 216);  
box-shadow:4px 4px 4px 4px rgb(181, 230,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7475, 71.3753, 75.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 230, 216) }
```

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

```
.background{ background-color: rgb(181,  
230, 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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