

Converting Colors

XYZ(59.6081, 68.8442, 83.3999)

Have a look what the booklet for
XYZ(59.6081, 68.8442, 83.3999)
contains.

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Color

**XYZ(59.4816, 68.6160,
83.5080)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E0E4
RGB	180, 224, 228
RGB Percent	71%, 88%, 89%
CMY	0.2941, 0.1216, 0.1059
CMYK	0.21, 0.02, 0.00, 0.11
HSL	185°, 47%, 80%
HSV	185°, 21%, 89%
XYZ	59.4816, 68.6160, 83.5080
YIQ	211.3000, -27.5080, -8.0840

Conversions

Conversions Part 2

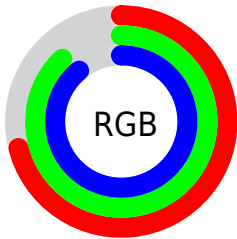
Format	Color
R _Y B	180, 203, 228
Decimal	11854052
CIE Lab	86.31, -13.33, -6.67
CIE LCh	86, 14.903, 206.581
Yxy	68.6160, 0.2811, 0.3243
Android (android.graphics.Color)	4290044132 (0xFFB4E0E4)
YUV	211.3000, 8.2331, -27.4501
Hunter-Lab	82.8348, -16.7844, -1.7875

Details

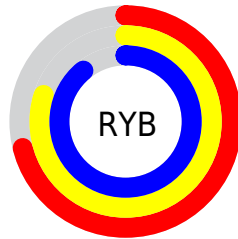
The XYZ color **59.4816, 68.6160, 83.5080** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.3743, 54.0704, 50.5940**, and the grayscale version is **62.0770, 65.3099, 71.1225**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.3350, 35.8287, 44.8520** is the 20% darker color. If you saturate the color by 10%, you get **54.0973, 65.0887, 83.1121**, and if you desaturate by 10%, it is **65.7487, 72.6104, 83.9498**.

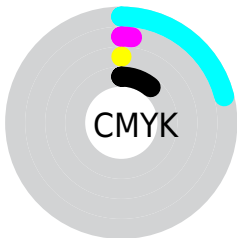
Distribution



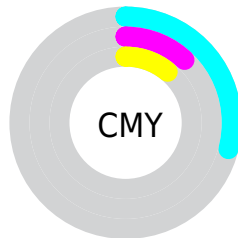
- Red (71%)
- Green (88%)
- Blue (89%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4816, 68.6160, 83.5080 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 59.4816, 68.6160, 83.5080 by changing the saturation by 10% instead.

■ 59.4816, 68.6160,
83.5080

■ 59.4816, 68.6160,
83.5080

412.5497,
455.6755, 526.6933

■ 43.2488, 50.3990,
62.0663

■ 103.1879,
117.2329, 140.1423

■ 30.2757, 35.7306,
44.6501

131.3921,
148.4017, 176.1720

■ 20.1971, 24.2262,
30.8410

164.3176,
184.6566, 217.9014

■ 12.6475, 15.5015,
20.2203

202.3295,
226.3818, 265.7491

■ 7.2616, 9.1721,
12.3697

245.7933,
273.9620, 320.1336

■ 3.6740, 4.8536,
6.8704

295.0744,

■ 1.5194, 2.1616,

327.7814, 381.4734

3.3039

350.5381,
388.2244, 450.1871

■ 0.3390, 0.6989,
1.2518

■ 0.0000, 0.0000,
0.0218

■ 59.4816, 68.6160,
83.5080

■ 59.4816, 68.6160,
83.5080

■ 54.0973, 65.0887,
83.1121

■ 65.7487, 72.6104,
83.9498

■ 49.5471, 61.9981,
82.7553

■ 72.9323, 77.0839,
84.4347

■ 45.7868, 59.3231,
82.4372

■ 81.0717, 82.0588,
84.9659

■ 42.7656, 57.0375,
82.1553

■ 83.9877, 84.3493,
85.2543

■ 40.4268, 55.1121,
81.9069

■ 84.5239, 85.4216,
85.4331

■ 38.7054, 53.5132,
81.6890

■ 85.0658, 86.5055,
85.6137

■ 37.5237, 52.2009,
81.4980

■ 85.6135, 87.6010,
85.7963

■ 36.8079, 51.2097,
81.3444

■ 86.1671, 88.7081,
85.9808

■ 86.7265, 89.8269,
86.1673

Harmonies

Analogous

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



58.8378, 68.6160, 73.5875



59.4816, 68.6160, 83.5080



61.6434, 68.6160, 91.6560

Triad

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



59.4816, 68.6160, 83.5080



70.8929, 68.6160, 85.6326



65.6126, 68.6160, 57.3591

Complementary

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



59.4816, 68.6160, 83.5080



57.3743, 54.0704, 50.5940

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.



68.9270, 68.6160, 59.9951



59.4816, 68.6160, 83.5080



72.0423, 68.6160, 75.8462

Square

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



59.4816, 68.6160, 83.5080



68.2208, 68.6160, 92.9564



71.3107, 68.6160, 66.5549



62.3036, 68.6160, 59.0247

Rectangle

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



59.4816, 68.6160, 83.5080



63.6951, 68.6160, 94.6840



71.3107, 68.6160, 66.5549



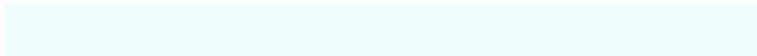
66.7639, 68.6160, 57.7652

Sweetspot

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



59.4836, 68.6188, 83.5096



89.2383, 96.4026, 108.5119



55.1351, 68.6186, 55.2490



18.9710, 20.5533, 23.2173



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.



59.4836, 68.6188, 83.5096



73.6885, 86.5083, 107.4217



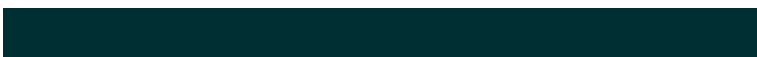
53.6673, 56.9862, 81.5708



14.6994, 16.1202, 18.4811



21.2965, 29.6551, 46.9847



1.6042, 2.2524, 3.4822

Inverse Universe

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



61.7723, 54.5198, 77.7918



77.1323, 65.5135, 98.7689



62.5956, 64.5132, 52.3345



14.9406, 14.5934, 17.8877



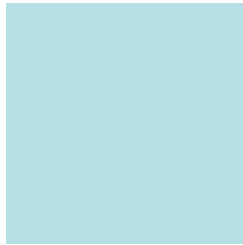
25.1430, 12.1914, 35.9776



1.8734, 0.9071, 2.7396

Previews

White Background



This preview shows how the XYZ color 59.4816, 68.6160, 83.5080 looks on a white background.

Color Contrast Check

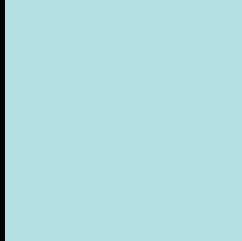
Large Text (above 18pt) WCAG AA × Fail

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 59.4816, 68.6160, 83.5080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

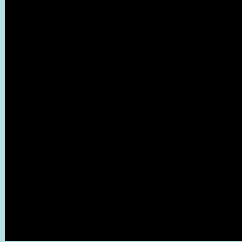
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4816, 68.6160, 83.5080

Background



This preview shows how black text looks on a background with the XYZ color 59.4816, 68.6160, 83.5080.

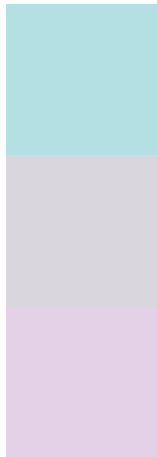


This preview shows how white text looks on a background with the XYZ color 59.4816, 68.6160,

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

59.4816, 68.6160, 83.5080

Protanopia

65.8467, 68.1188, 78.7850

Deuteranopia

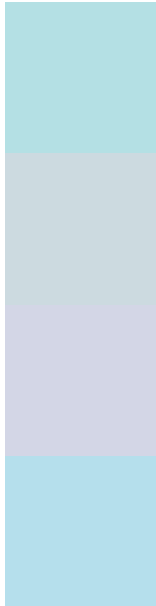
69.5374, 68.0285, 85.0671



Tritanopia

61.1409, 68.4789, 92.4334

Trichromacy



Original Color

59.4816, 68.6160, 83.5080

Protanomaly

63.4278, 68.3620, 80.3732

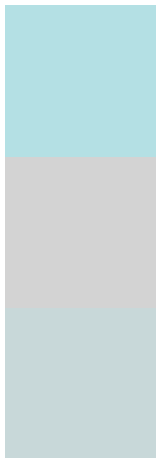
Deuteranomaly

65.1935, 67.6552, 84.4856

Tritanomaly

60.5841, 68.6552, 89.4155

Monochromacy



Original Color

59.4816, 68.6160, 83.5080

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.8997, 66.4008, 75.2525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4816, 68.6160, 83.5080 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, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 224, 228)  
}
```

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, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 224, 228) }
```

Border

The CSS property to change the border of an element to XYZ 59.4816, 68.6160, 83.5080 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, 224, 228) }
```


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

```
.border{ border-color:rgb(180, 224, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(180, 224,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4816, 68.6160, 83.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 224, 228) }
```

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

```
.background{ background-color: rgb(180,  
224, 228) }
```

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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