

Converting Colors

XYZ(58.2646, 66.3629, 84.2338)

Have a look what the booklet for
XYZ(58.2646, 66.3629, 84.2338)
contains.

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Color

**XYZ(58.4665, 66.4833,
84.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	B3DCE6
RGB	179, 220, 230
RGB Percent	70%, 86%, 90%
CMY	0.2980, 0.1372, 0.0980
CMYK	0.22, 0.04, 0.00, 0.10
HSL	192°, 50%, 80%
HSV	192°, 22%, 90%
XYZ	58.4665, 66.4833, 84.6140
YIQ	208.8810, -27.6460, -5.5820

Conversions

Conversions Part 2

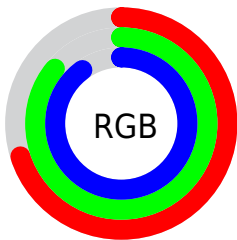
Format	Color
R _Y B	179, 202, 230
Decimal	11787494
CIE Lab	85.24, -11.16, -9.32
CIE LCh	85, 14.538, 219.873
Yxy	66.4833, 0.2790, 0.3172
Android (android.graphics.Color)	4289977574 (0xFFB3DCE6)
YUV	208.8810, 10.4117, -26.2056
Hunter-Lab	81.5373, -14.6964, -4.4511

Details

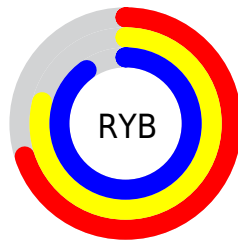
The XYZ color **58.4665, 66.4833, 84.6140** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.9680, 56.4729, 50.4415**, and the grayscale version is **60.4755, 63.6250, 69.2876**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **29.6504, 34.3654, 45.6279** is the 20% darker color. If you saturate the color by 10%, you get **52.4208, 61.6352, 83.9980**, and if you desaturate by 10%, it is **65.4347, 71.8577, 85.2852**.

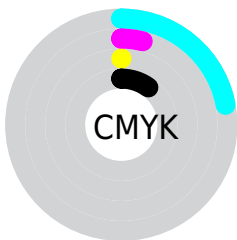
Distribution



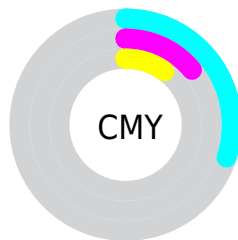
- Red (70%)
- Green (86%)
- Blue (90%)



- Red (70%)
- Yellow (79%)
- Blue (90%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (30%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4665, 66.4833, 84.6140 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 58.4665, 66.4833, 84.6140 by changing the saturation by 10% instead.

■ 58.4665, 66.4833,
84.6140

■ 58.4665, 66.4833,
84.6140

408.8479,
448.1033, 530.4612

■ 42.4285, 48.6648,
62.9742

■ 101.7209,
114.1797, 141.7031

■ 29.6296, 34.3537,
45.3795

129.6681,
144.8265, 177.9895

■ 19.7042, 23.1654,
31.4113

162.3157,
180.5181, 219.9951

■ 12.2873, 14.7157,
20.6511

200.0291,
221.6390, 268.1386

■ 7.0132, 8.6201,
12.6805

243.1737,
268.5736, 322.8384

■ 3.5168, 4.4942,
7.0808

292.1148,

■ 1.4326, 1.9537,

321.7063, 384.5130

3.4335

347.2177,
381.4214, 453.5811

■ 0.2793, 0.5804,
1.3200

■ 0.0000, 0.0000,
0.0781

■ 58.4665, 66.4833,
84.6140

■ 58.4665, 66.4833,
84.6140

■ 52.4208, 61.6352,
83.9980

■ 65.4347, 71.8577,
85.2852

■ 47.2475, 57.2822,
83.4304

■ 73.3606, 77.7718,
86.0090

■ 42.9005, 53.4019,
82.9105

■ 82.2848, 84.2487,
86.7888

■ 39.3273, 49.9667,
82.4358

■ 86.1090, 88.1449,
87.3393

■ 36.4689, 46.9458,
82.0034

■ 87.4384, 90.8038,
87.7824

■ 34.2573, 44.3039,
81.6100

■ 88.8010, 93.5290,
88.2366

■ 32.6110, 41.9986,
81.2518

■ 90.1969, 96.3208,
88.7019

■ 31.6145, 40.3760,
80.9911

■ 91.2831, 98.4933,
89.0640

Harmonies

Analogous

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



57.1706, 66.4833, 75.5346



58.4665, 66.4833, 84.6140



61.0421, 66.4833, 90.7334

Triad

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



58.4665, 66.4833, 84.6140



69.3074, 66.4833, 78.7927



62.1137, 66.4833, 55.9925

Complementary

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



58.4665, 66.4833, 84.6140



58.9680, 56.4729, 50.4415

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.



65.3885, 66.4833, 56.7005



58.4665, 66.4833, 84.6140



69.6185, 66.4833, 69.3320

Square

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



58.4665, 66.4833, 84.6140



67.3261, 66.4833, 87.1758



68.1621, 66.4833, 61.4022



59.2276, 66.4833, 59.3766

Rectangle

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



58.4665, 66.4833, 84.6140



63.1764, 66.4833, 92.0234



68.1621, 66.4833, 61.4022



63.2044, 66.4833, 55.7672

Sweetspot

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



58.4685, 66.4860, 84.6155



87.6791, 94.5581, 108.2381



56.0033, 69.8245, 58.3020



18.6371, 20.1424, 23.1555



0.0000, 0.0000, 0.0000



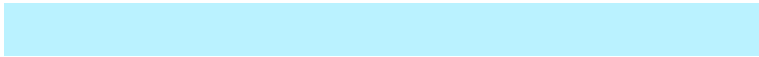
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4685, 66.4860, 84.6155



69.9408, 80.8872, 106.5343



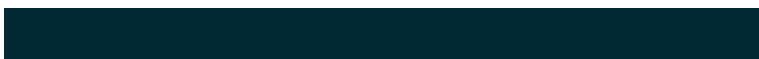
52.4233, 54.3956, 82.6004



14.5548, 15.8310, 18.4329



17.9854, 23.0328, 45.8810



1.3906, 1.8251, 3.4110

Inverse Universe

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



61.6730, 54.2319, 74.9306



74.7831, 62.8221, 91.7986



64.7796, 68.0962, 52.3787



14.8676, 14.5642, 17.5034



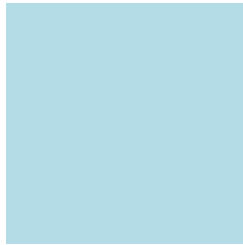
23.4717, 11.5229, 27.1766



1.7655, 0.8639, 2.1718

Previews

White Background



This preview shows how the XYZ color 58.4665, 66.4833, 84.6140 looks on a white background.

Color Contrast Check

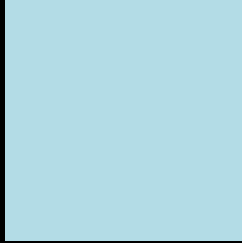
Large Text (above 18pt) WCAG AA × Fail

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 58.4665, 66.4833, 84.6140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

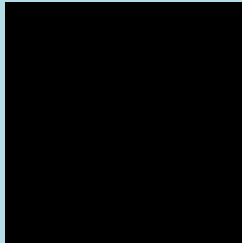
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4665, 66.4833, 84.6140

Background



This preview shows how black text looks on a background with the XYZ color 58.4665, 66.4833, 84.6140.



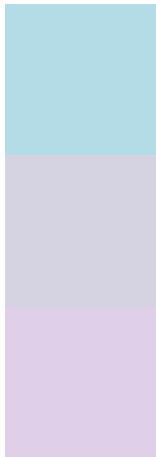
This preview shows how white text looks on a background with the XYZ color 58.4665, 66.4833,

84.6140.

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

58.4665, 66.4833, 84.6140

Protanopia

64.3254, 66.1709, 80.6161

Deuteranopia

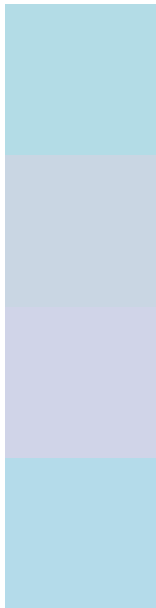
67.7613, 66.3561, 86.3274



Tritanopia

59.2942, 66.4225, 89.0526

Trichromacy



Original Color

58.4665, 66.4833, 84.6140

Protanomaly

61.9991, 66.0567, 82.1556

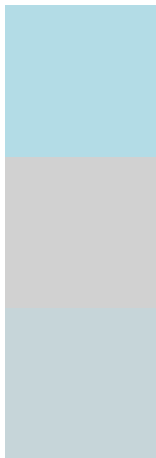
Deuteranomaly

64.1214, 66.3231, 85.7660

Tritanomaly

59.0052, 66.3068, 87.5305

Monochromacy



Original Color

58.4665, 66.4833, 84.6140

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.6073, 64.6040, 74.9738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4665, 66.4833, 84.6140 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(179, 220, 230)` looks like.

```
.text, #text, p{  
    color:rgb(179, 220, 230)  
}
```

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(179, 220, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 220, 230) }
```

Border

The CSS property to change the border of an element to XYZ 58.4665, 66.4833, 84.6140 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(179, 220, 230) }
```


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

```
.border{ border-color:rgb(179, 220, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 220, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(179, 220,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4665, 66.4833, 84.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 220, 230) }
```

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

```
.background{ background-color: rgb(179,  
220, 230) }
```

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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