

Converting Colors

XYZ(58.3552, 66.7010, 85.2985)

Have a look what the booklet for
XYZ(58.3552, 66.7010, 85.2985)
contains.

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Color

**XYZ(58.4117, 66.8295,
85.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	B1DDE7
RGB	177, 221, 231
RGB Percent	69%, 87%, 91%
CMY	0.3059, 0.1333, 0.0941
CMYK	0.23, 0.04, 0.00, 0.09
HSL	191°, 53%, 80%
HSV	191°, 23%, 91%
XYZ	58.4117, 66.8295, 85.4221
YIQ	208.9840, -29.4340, -6.2180

Conversions

Conversions Part 2

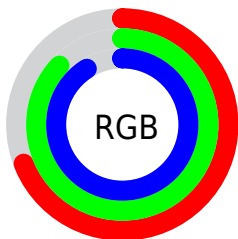
Format	Color
R _{YB}	177, 201, 231
Decimal	11656679
CIE Lab	85.42, -12.05, -9.60
CIE LCh	85, 15.404, 218.555
Yxy	66.8295, 0.2773, 0.3172
Android (android.graphics.Color)	4289846759 (0xFFB1DDE7)
YUV	208.9840, 10.8539, -28.0500
Hunter-Lab	81.7493, -15.5191, -4.7292

Details

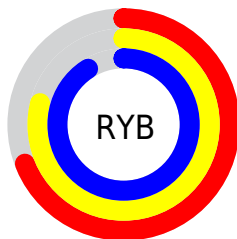
The XYZ color **58.4117, 66.8295, 85.4221** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.6619, 55.7042, 49.2565**, and the grayscale version is **60.5407, 63.6935, 69.3622**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **29.5425, 34.5785, 45.6747** is the 20% darker color. If you saturate the color by 10%, you get **52.4746, 62.1155, 84.8262**, and if you desaturate by 10%, it is **65.2722, 72.0656, 86.0723**.

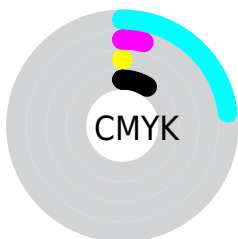
Distribution



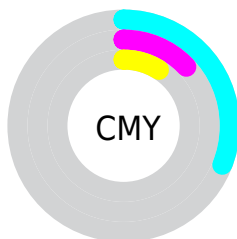
- Red (69%)
- Green (87%)
- Blue (91%)



- Red (69%)
- Yellow (79%)
- Blue (91%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4117, 66.8295, 85.4221 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 58.4117, 66.8295, 85.4221 by changing the saturation by 10% instead.

■ 58.4117, 66.8295,
85.4221

■ 58.4117, 66.8295,
85.4221

408.6475,
449.3376, 533.2047

■ 42.3843, 48.9461,
63.6381

■ 101.6417,
114.6761, 142.8422

■ 29.5947, 34.5767,
45.9133

129.5749,
145.4080, 179.3153

■ 19.6777, 23.3370,
31.8292

162.2075,
181.1916, 221.5218

■ 12.2679, 14.8425,
20.9673

199.9047,
222.4112, 269.8803

■ 6.9999, 8.7089,
12.9091

243.0320,
269.4512, 324.8093

■ 3.5084, 4.5518,
7.2360

291.9546,

■ 1.4279, 1.9868,

322.6960, 386.7273

3.5295

347.0380,
382.5300, 456.0529

■ 0.2760, 0.5998,
1.3709

■ 0.0000, 0.0000,
0.1189

■ 58.4117, 66.8295,
85.4221

■ 58.4117, 66.8295,
85.4221

■ 52.4746, 62.1155,
84.8262

■ 65.2722, 72.0656,
86.0723

■ 47.4099, 57.8919,
84.2779

■ 73.0919, 77.8376,
86.7742

■ 43.1706, 54.1359,
83.7764

■ 81.9122, 84.1687,
87.5314

■ 39.7028, 50.8193,
83.3190

■ 86.2709, 88.2434,
88.0882

■ 36.9461, 47.9108,
82.9029

■ 87.5317, 90.7650,
88.5084

■ 34.8305, 45.3739,
82.5247

■ 88.8223, 93.3461,
88.9386

■ 33.2715, 43.1647,
82.1805

■ 90.1429, 95.9873,
89.3788

■ 32.4574, 41.8363,
81.9670

■ 91.4240, 98.5496,
89.8059

Harmonies

Analogous

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



57.1080, 66.8295, 75.6644



58.4117, 66.8295, 85.4221



61.0959, 66.8295, 92.1733

Triad

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



58.4117, 66.8295, 85.4221



69.9767, 66.8295, 80.0258



62.5258, 66.8295, 55.3576

Complementary

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



58.4117, 66.8295, 85.4221



58.6619, 55.7042, 49.2565

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.



66.0062, 66.8295, 56.2940



58.4117, 66.8295, 85.4221



70.3937, 66.8295, 69.9425

Square

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



58.4117, 66.8295, 85.4221



67.7972, 66.8295, 88.8646



68.9166, 66.8295, 61.4260



59.4255, 66.8295, 58.7394

Rectangle

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



58.4117, 66.8295, 85.4221



63.3503, 66.8295, 93.7335



68.9166, 66.8295, 61.4260



63.6889, 66.8295, 55.1845

Sweetspot

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



58.4137, 66.8322, 85.4236



87.7399, 94.6799, 108.2584



55.6676, 70.0838, 57.5525



18.6512, 20.1707, 23.1603



0.0000, 0.0000, 0.0000



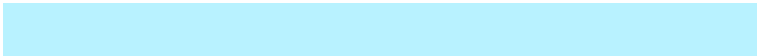
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4137, 66.8322, 85.4236



69.4085, 80.7351, 106.5330



51.8707, 53.7462, 83.2426



14.5687, 15.8588, 18.4375



18.2809, 23.6240, 45.9795



1.4099, 1.8638, 3.4174

Inverse Universe

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



61.7299, 53.6552, 75.5126



74.2917, 61.7727, 91.8399



64.9133, 68.2071, 51.3404



14.8746, 14.5670, 17.5402



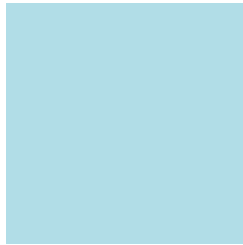
23.6209, 11.5826, 27.9622



1.7753, 0.8678, 2.2232

Previews

White Background



This preview shows how the XYZ color 58.4117, 66.8295, 85.4221 looks on a white background.

Color Contrast Check

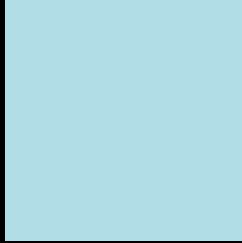
Large Text (above 18pt) WCAG AA × Fail

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 58.4117, 66.8295, 85.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

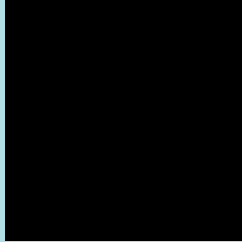
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4117, 66.8295, 85.4221

Background



This preview shows how black text looks on a background with the XYZ color 58.4117, 66.8295, 85.4221.

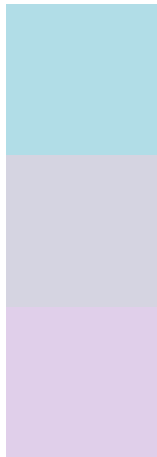


This preview shows how white text looks on a background with the XYZ color 58.4117, 66.8295,

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

58.4117, 66.8295, 85.4221

Protanopia

64.5747, 66.6693, 80.6992

Deuteranopia

67.9046, 66.4135, 87.0820



Tritanopia

59.3859, 66.8244, 90.6574

Trichromacy



Original Color

58.4117, 66.8295, 85.4221

Protanomaly

61.9850, 66.4263, 82.2276

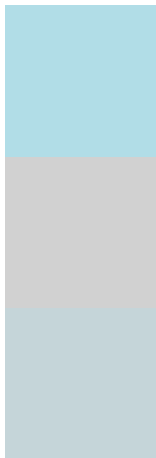
Deuteranomaly

63.9836, 66.2356, 86.5032

Tritanomaly

58.9487, 66.6495, 88.3550

Monochromacy



Original Color

58.4117, 66.8295, 85.4221

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.3446, 64.4686, 74.9615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4117, 66.8295, 85.4221 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(177, 221, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 221, 231)  
}
```

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(177, 221, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 221, 231) }
```

Border

The CSS property to change the border of an element to XYZ 58.4117, 66.8295, 85.4221 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(177, 221, 231) }
```


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

```
.border{ border-color:rgb(177, 221, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 221, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 221, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 221, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 221,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4117, 66.8295, 85.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 221, 231) }
```

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

```
.background{ background-color: rgb(177,  
221, 231) }
```

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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