

Converting Colors

XYZ(58.1099, 66.2707, 85.6289)

Have a look what the booklet for
XYZ(58.1099, 66.2707, 85.6289)
contains.

XYZ(58.1485, 66.3030, 85.3343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.1485, 66.3030,
85.3343)**

Conversions

Conversions Part 1

Format	Color
Hex	B1DCE7
RGB	177, 220, 231
RGB Percent	69%, 86%, 91%
CMY	0.3059, 0.1372, 0.0941
CMYK	0.23, 0.05, 0.00, 0.09
HSL	192°, 53%, 80%
HSV	192°, 23%, 91%
XYZ	58.1485, 66.3030, 85.3343
YIQ	208.3970, -29.1590, -5.6950

Conversions

Conversions Part 2

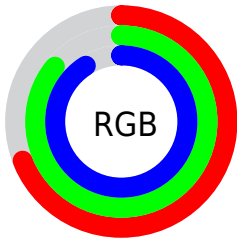
Format	Color
RYB	177, 201, 231
Decimal	11656423
CIELab	85.15, -11.53, -10.00
CIELCh	85, 15.265, 220.918
Yxy	66.3030, 0.2772, 0.3161
Android (android.graphics.Color)	4289846503 (0xFFB1DCE7)
YUV	208.3970, 11.1433, -27.5352
Hunter-Lab	81.4267, -15.0260, -5.1367

Details

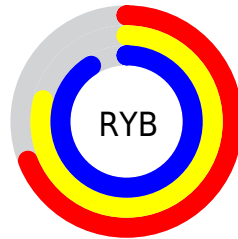
The XYZ color **58.1485, 66.3030, 85.3343** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.8748, 56.1301, 49.3277**, and the grayscale version is **60.1569, 63.2897, 68.9225**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **29.3614, 34.2164, 45.6143** is the 20% darker color. If you saturate the color by 10%, you get **52.1088, 61.3838, 84.7042**, and if you desaturate by 10%, it is **65.1175, 71.7563, 86.0207**.

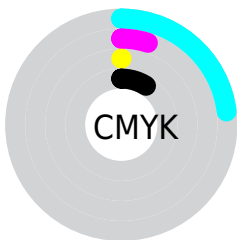
Distribution



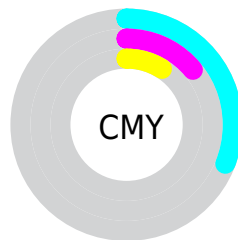
- Red (69%)
- Green (86%)
- Blue (91%)



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



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1485, 66.3030, 85.3343 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 58.1485, 66.3030, 85.3343 by changing the saturation by 10% instead.

■ 58.1485, 66.3030,
85.3343

■ 58.1485, 66.3030,
85.3343

407.6840,
447.4597, 532.9070

■ 42.1718, 48.5184,
63.5659

■ 101.2608,
113.9211, 142.7185

■ 29.4275, 34.2376,
45.8552

129.1271,
144.5234, 179.1713

■ 19.5504, 23.0762,
31.7838

161.6873,
180.1671, 221.3560

■ 12.1750, 14.6498,
20.9329

199.3067,
221.2365, 269.6912

■ 6.9360, 8.5740,
12.8842

242.3507,
268.1161, 324.5953

■ 3.4681, 4.4644,
7.2191

291.1847,

■ 1.4059, 1.9366,

321.1902, 386.4870

3.5190

346.1740,
380.8433, 455.7847

■ 0.2604, 0.5702,
1.3653

■ 0.0000, 0.0000,
0.1145

■ 58.1485, 66.3030,
85.3343

■ 58.1485, 66.3030,
85.3343

■ 52.1088, 61.3838,
84.7042

■ 65.1175, 71.7563,
86.0207

■ 46.9474, 56.9668,
84.1237

■ 73.0519, 77.7575,
86.7608

■ 42.6172, 53.0291,
83.5919

■ 81.9930, 84.3301,
87.5582

■ 39.0644, 49.5425,
83.1061

■ 86.4785, 88.6586,
88.1573

■ 36.2283, 46.4752,
82.6636

■ 87.8725, 91.4466,
88.6220

■ 34.0390, 43.7908,
82.2608

■ 89.3026, 94.3068,
89.0987

■ 32.4117, 41.4451,
81.8938

■ 90.7691, 97.2397,
89.5875

■ 31.5554, 40.0324,
81.6663

■ 91.4240, 98.5496,
89.8058

Harmonies

Analogous

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



56.7406, 66.3030, 75.8431



58.1485, 66.3030, 85.3343



60.8798, 66.3030, 91.6304

Triad

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



58.1485, 66.3030, 85.3343



69.4836, 66.3030, 78.5689



61.7736, 66.3030, 55.1332

Complementary

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



58.1485, 66.3030, 85.3343



58.8748, 56.1301, 49.3277

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.



65.2078, 66.3030, 55.7188



58.1485, 66.3030, 85.3343



69.7443, 66.3030, 68.6614

Square

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



58.1485, 66.3030, 85.3343



67.4546, 66.3030, 87.4854



68.1542, 66.3030, 60.4747



58.7823, 66.3030, 58.7948

Rectangle

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



58.1485, 66.3030, 85.3343



63.1252, 66.3030, 92.8540



68.1542, 66.3030, 60.4747



62.9130, 66.3030, 54.8490

Sweetspot

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



58.1505, 66.3057, 85.3358



87.6364, 94.4728, 108.2239



55.7643, 70.1224, 58.0614



18.6272, 20.1226, 23.1522



0.0000, 0.0000, 0.0000



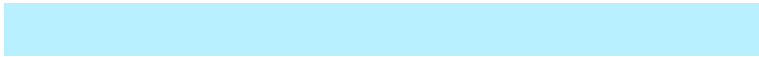
20.3446, 21.4041, 23.3091

Same Dimension

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



58.1505, 66.3057, 85.3358



69.0168, 79.9517, 106.4024



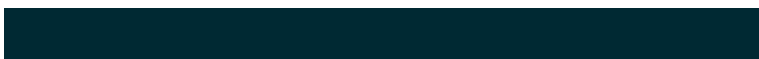
51.6709, 53.3466, 83.1760



14.5451, 15.8116, 18.4297



17.7811, 22.6243, 45.8129



1.3772, 1.7983, 3.4065

Inverse Universe

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



61.5970, 53.6022, 74.8128



74.0940, 61.6936, 90.7988



65.1416, 68.6637, 51.4166



14.8627, 14.5623, 17.4775



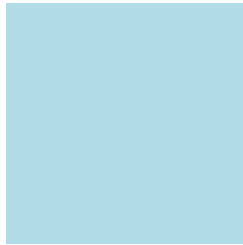
23.3686, 11.4816, 26.6336



1.7588, 0.8612, 2.1362

Previews

White Background



This preview shows how the XYZ color 58.1485, 66.3030, 85.3343 looks on a white background.

Color Contrast Check

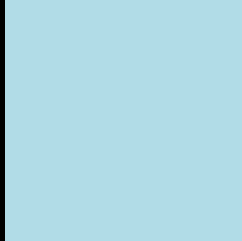
Large Text (above 18pt) WCAG AA × Fail

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 58.1485, 66.3030, 85.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

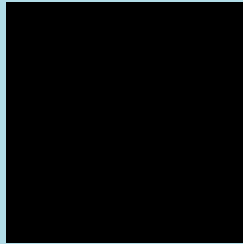
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.1485, 66.3030, 85.3343

Background



This preview shows how black text looks on a background with the XYZ color 58.1485, 66.3030, 85.3343.

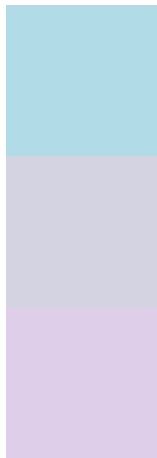


This preview shows how white text looks on a background with the XYZ color 58.1485, 66.3030,

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

58.1485, 66.3030, 85.3343

Protanopia

64.0363, 66.0218, 80.6026

Deuteranopia

67.3540, 65.7711, 86.9871



Tritanopia

58.9777, 66.2424, 89.7984

Trichromacy



Original Color

58.1485, 66.3030, 85.3343

Protanomaly

61.4649, 65.7813, 82.1306

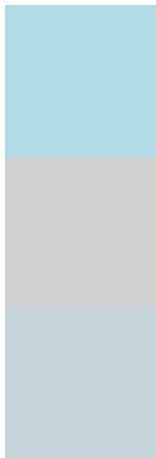
Deuteranomaly

63.4558, 65.5935, 86.4071

Tritanomaly

58.6870, 66.1262, 88.2678

Monochromacy



Original Color

58.1485, 66.3030, 85.3343

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.9641, 63.9152, 74.1949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1485, 66.3030, 85.3343 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, 220, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 220, 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, 220, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 220, 231) }
```

Border

The CSS property to change the border of an element to XYZ 58.1485, 66.3030, 85.3343 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, 220, 231) }
```


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

```
.border{ border-color:rgb(177, 220, 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, 220, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 220, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 220, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 220,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1485, 66.3030, 85.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 220, 231) }
```

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

```
.background{ background-color: rgb(177,  
220, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor