

Converting Colors

XYZ(58.8827, 67.8457, 86.0906)

Have a look what the booklet for
XYZ(58.8827, 67.8457, 86.0906)
contains.

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Color

**XYZ(58.8577, 67.8317,
86.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	B0DFE8
RGB	176, 223, 232
RGB Percent	69%, 87%, 91%
CMY	0.3098, 0.1255, 0.0902
CMYK	0.24, 0.04, 0.00, 0.09
HSL	190°, 55%, 80%
HSV	190°, 24%, 91%
XYZ	58.8577, 67.8317, 86.3346
YIQ	209.9730, -30.9010, -7.1650

Conversions

Conversions Part 2

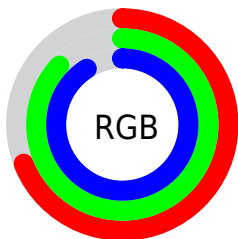
Format	Color
R_{YB}	176, 202, 232
Decimal	11591656
CIE _{Lab}	85.92, -13.14, -9.39
CIE _{LCh}	86, 16.149, 215.535
Yxy	67.8317, 0.2763, 0.3184
Android (android.graphics.Color)	4289781736 (0xFFB0DFE8)
YUV	209.9730, 10.8593, -29.7943
Hunter-Lab	82.3600, -16.5669, -4.4993

Details

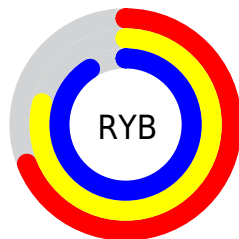
The XYZ color **58.8577, 67.8317, 86.3346** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.4649, 54.9886, 48.6082**, and the grayscale version is **61.1880, 64.3746, 70.1039**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **29.8651, 35.2774, 46.3095** is the 20% darker color. If you saturate the color by 10%, you get **53.0692, 63.3871, 85.7829**, and if you desaturate by 10%, it is **65.5686, 72.7878, 86.9386**.

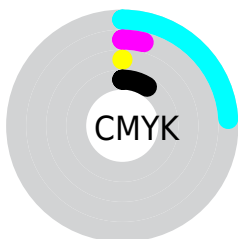
Distribution



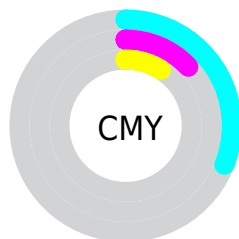
- Red (69%)
- Green (87%)
- Blue (91%)



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



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8577, 67.8317, 86.3346 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 58.8577, 67.8317, 86.3346 by changing the saturation by 10% instead.

■ 58.8577, 67.8317,
86.3346

■ 58.8577, 67.8317,
86.3346

410.2769,
452.8995, 536.2932

■ 42.7445, 49.7608,
64.3882

■ 102.2866,
116.1113, 144.1270

■ 29.8784, 35.2234,
46.5170

130.3331,
147.0889, 180.8101

■ 19.8939, 23.8350,
32.3024

163.0880,
183.1375, 223.2425

■ 12.4257, 15.2113,
21.3258

200.9167,
224.6415, 271.8428

■ 7.1086, 8.9678,
13.1688

244.1846,
271.9853, 327.0294

■ 3.5770, 4.7202,
7.4128

293.2570,

■ 1.4657, 2.0840,

325.5533, 389.2210

3.6392

348.4994,
385.7299, 458.8361

■ 0.3024, 0.6556,
1.4296

■ 0.0000, 0.0000,
0.1646

■ 58.8577, 67.8317,
86.3346

■ 58.8577, 67.8317,
86.3346

■ 53.0692, 63.3871,
85.7829

■ 65.5686, 72.7878,
86.9386

■ 48.1514, 59.4220,
85.2768

■ 73.2384, 78.2693,
87.5924

■ 44.0565, 55.9132,
84.8153

■ 81.9088, 84.2995,
88.2994

■ 40.7298, 52.8324,
84.3960

■ 86.3553, 88.1854,
88.8151

■ 38.1095, 50.1475,
84.0159

■ 87.4513, 90.3775,
89.1804

■ 36.1243, 47.8214,
83.6715

■ 88.5699, 92.6147,
89.5533

■ 34.6870, 45.8092,
83.3589

■ 89.7113, 94.8974,
89.9338

■ 34.0197, 44.7342,
83.1866

■ 90.8755, 97.2258,
90.3218

■ 91.5657, 98.6063,
90.5519

Harmonies

Analogous

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



57.6512, 67.8317, 75.8385



58.8577, 67.8317, 86.3346



61.5721, 67.8317, 93.9841

Triad

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



58.8577, 67.8317, 86.3346



71.1623, 67.8317, 82.6149



63.7887, 67.8317, 55.3877

Complementary

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



58.8577, 67.8317, 86.3346



58.4649, 54.9886, 48.6082

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.



67.4615, 67.8317, 56.8308



58.8577, 67.8317, 86.3346



71.8106, 67.8317, 71.9107

Square

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



58.8577, 67.8317, 86.3346



68.6930, 67.8317, 91.6968



70.4324, 67.8317, 62.6439



60.4275, 67.8317, 58.4958

Rectangle

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



58.8577, 67.8317, 86.3346



63.9200, 67.8317, 96.0737



70.4324, 67.8317, 62.6439



65.0271, 67.8317, 55.3603

Sweetspot

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



58.8597, 67.8344, 86.3361



87.8771, 94.9542, 108.3041



55.4562, 70.4221, 56.2390



18.6831, 20.2343, 23.1709



0.0000, 0.0000, 0.0000



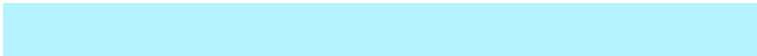
20.3446, 21.4041, 23.3091

Same Dimension

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



58.8597, 67.8344, 86.3361



69.2039, 81.2221, 106.6377



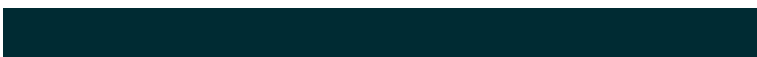
52.1212, 54.3574, 84.0900



14.5999, 15.9213, 18.4479



18.9640, 24.9902, 46.2072



1.4544, 1.9527, 3.4322

Inverse Universe

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



62.1250, 53.5358, 76.8743



73.9697, 60.8063, 92.7263



64.7600, 67.5789, 50.7066



14.8904, 14.5734, 17.6233



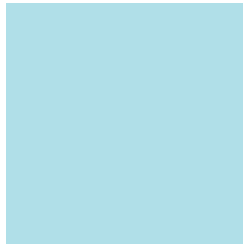
23.9657, 11.7205, 29.7779



1.7977, 0.8768, 2.3414

Previews

White Background



This preview shows how the XYZ color 58.8577, 67.8317, 86.3346 looks on a white background.

Color Contrast Check

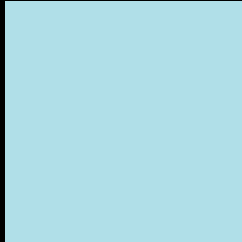
Large Text (above 18pt) WCAG AA × Fail

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 58.8577, 67.8317, 86.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

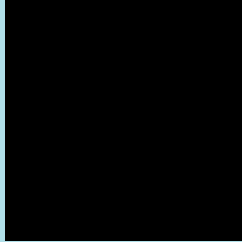
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8577, 67.8317, 86.3346

Background



This preview shows how black text looks on a background with the XYZ color 58.8577, 67.8317, 86.3346.

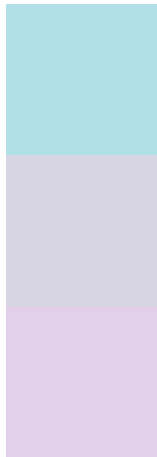


This preview shows how white text looks on a background with the XYZ color 58.8577, 67.8317,

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

58.8577, 67.8317, 86.3346

Protanopia

65.5460, 67.5266, 81.5308

Deuteranopia

68.9153, 67.2787, 87.9511



Tritanopia

60.2095, 67.9988, 92.3898

Trichromacy



Original Color

58.8577, 67.8317, 86.3346

Protanomaly

62.9038, 67.6447, 83.1401

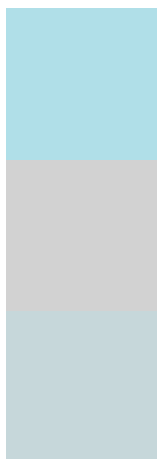
Deuteranomaly

64.6580, 66.9389, 87.3546

Tritanomaly

59.5388, 67.7041, 90.0509

Monochromacy



Original Color

58.8577, 67.8317, 86.3346

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

60.2440, 65.6686, 75.8298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8577, 67.8317, 86.3346 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(176, 223, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 223, 232)  
}
```

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(176, 223, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 223, 232) }
```

Border

The CSS property to change the border of an element to XYZ 58.8577, 67.8317, 86.3346 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(176, 223, 232) }
```


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

```
.border{ border-color:rgb(176, 223, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 223, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 223, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 223, 232); box-shadow:4px 4px 4px 4px rgb(176, 223, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8577, 67.8317, 86.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 223, 232) }
```

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

```
.background{ background-color: rgb(176,  
223, 232) }
```

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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