

Converting Colors

XYZ(58.0002, 68.3081, 84.3739)

Have a look what the booklet for
XYZ(58.0002, 68.3081, 84.3739)
contains.

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Color

**XYZ(57.8627, 68.1655,
84.2363)**

Conversions

Conversions Part 1

Format	Color
Hex	ABE1E5
RGB	171, 225, 229
RGB Percent	67%, 88%, 90%
CMY	0.3294, 0.1176, 0.1020
CMYK	0.25, 0.02, 0.00, 0.10
HSL	184°, 53%, 78%
HSV	184°, 25%, 90%
XYZ	57.8627, 68.1655, 84.2363
YIQ	209.3100, -33.4680, -10.2040

Conversions

Conversions Part 2

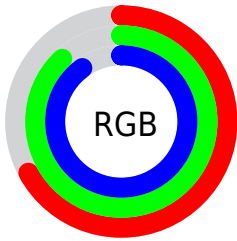
Format	Color
RYB	171, 199, 229
Decimal	11264485
CIELab	86.09, -16.28, -7.59
CIELCh	86, 17.957, 204.989
Yxy	68.1655, 0.2752, 0.3242
Android (android.graphics.Color)	4289454565 (0xFFABE1E5)
YUV	209.3100, 9.7072, -33.5979
Hunter-Lab	82.5624, -19.3850, -2.6984

Details

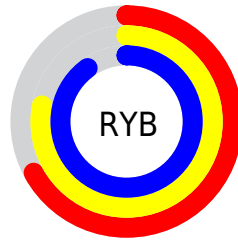
The XYZ color **57.8627, 68.1655, 84.2363** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.9946, 50.2587, 45.3320**, and the grayscale version is **60.7626, 63.9270, 69.6165**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **29.3508, 35.5874, 45.3665** is the 20% darker color. If you saturate the color by 10%, you get **52.8761, 64.9660, 83.8827**, and if you desaturate by 10%, it is **63.7214, 71.8239, 84.6348**.

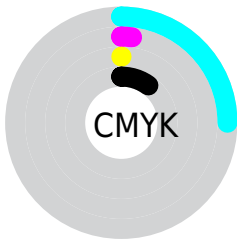
Distribution



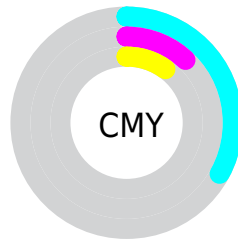
- Red (67%)
- Green (88%)
- Blue (90%)



- Red (67%)
- Yellow (78%)
- Blue (90%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (33%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8627, 68.1655, 84.2363 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 57.8627, 68.1655, 84.2363 by changing the saturation by 10% instead.

■ 57.8627, 68.1655,
84.2363

■ 57.8627, 68.1655,
84.2363

406.6362,
454.0822, 529.1761

■ 41.9411, 50.0324,
62.6640

■ 100.8470,
116.5889, 141.1703

■ 29.2461, 35.4391,
45.1302

128.6404,
147.6479, 177.3692

■ 19.4123, 24.0013,
31.2163

161.1219,
183.7844, 219.2807

■ 12.0743, 15.3346,
20.5038

198.6566,
225.3827, 267.3233

■ 6.8669, 9.0546,
12.5741

241.6101,
272.8273, 321.9156

■ 3.4246, 4.7768,
7.0086


290.3476,


■ 1.3821, 2.1169,


326.5024, 383.4762


3.3890


345.2345,
386.7926, 452.4235


 0.2434, 0.6741,
1.2965


 0.0000, 0.0000,
0.0589


 57.8627, 68.1655,
84.2363


 57.8627, 68.1655,
84.2363

 52.8761, 64.9660,
83.8827


 63.7214, 71.8239,
84.6348


 48.7110, 62.1942,
83.5672

 70.4876, 75.9542,
85.0754

 45.3209, 59.8277,
83.2891

 78.2019, 80.5792,
85.5615

 42.6521, 57.8389,
83.0459

 84.0479, 84.2469,
85.9613

■ 40.6442, 56.1965,
82.8347

■ 84.4924, 85.1360,
86.1095

■ 39.2265, 54.8642,
82.6523

■ 84.9410, 86.0331,
86.2590

■ 38.3127, 53.7975,
82.4945

■ 85.3935, 86.9382,
86.4099

■ 37.9924, 53.3559,
82.4262

■ 85.8501, 87.8513,
86.5621

■ 86.3107, 88.7725,
86.7156

Harmonies

Analogous

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



57.2047, 68.1655, 72.2541



57.8627, 68.1655, 84.2363



60.3443, 68.1655, 94.4237

Triad

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



57.8627, 68.1655, 84.2363



71.5052, 68.1655, 88.0312



65.4845, 68.1655, 53.8135

Complementary

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



57.8627, 68.1655, 84.2363



54.9946, 50.2587, 45.3320

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.



69.4473, 68.1655, 57.1268



57.8627, 68.1655, 84.2363



73.0162, 68.1655, 76.2225

Square

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



57.8627, 68.1655, 84.2363



68.1981, 68.1655, 96.7725



72.2476, 68.1655, 65.0321



61.4960, 68.1655, 55.4765

Rectangle

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



57.8627, 68.1655, 84.2363



62.7566, 68.1655, 98.3943



72.2476, 68.1655, 65.0321



66.8654, 68.1655, 54.3710

Sweetspot

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



57.8647, 68.1683, 84.2379



87.4921, 95.4404, 108.4182



52.5400, 67.7878, 50.8055



18.4414, 20.2544, 23.1875



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.



57.8647, 68.1683, 84.2379



70.6261, 84.9463, 107.2816



50.7089, 53.8566, 81.8526



14.7180, 16.1573, 18.4873



21.7584, 30.5789, 47.1387



1.6336, 2.3111, 3.4919

Inverse Universe

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



60.4683, 51.2217, 77.9370



74.4727, 60.1852, 97.9105



61.2263, 62.7221, 47.4092



14.9500, 14.5972, 17.9370



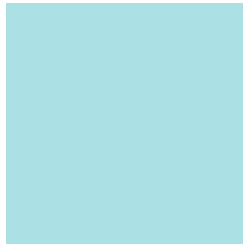
25.3762, 12.2847, 37.2054



1.8882, 0.9130, 2.8176

Previews

White Background



This preview shows how the XYZ color 57.8627, 68.1655, 84.2363 looks on a white background.

Color Contrast Check

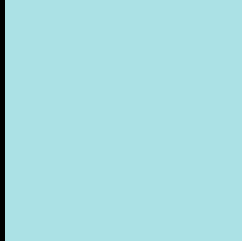
Large Text (above 18pt) WCAG AA × Fail

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 57.8627, 68.1655, 84.2363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

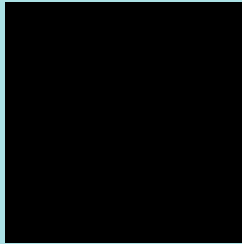
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8627, 68.1655, 84.2363

Background



This preview shows how black text looks on a background with the XYZ color 57.8627, 68.1655, 84.2363.

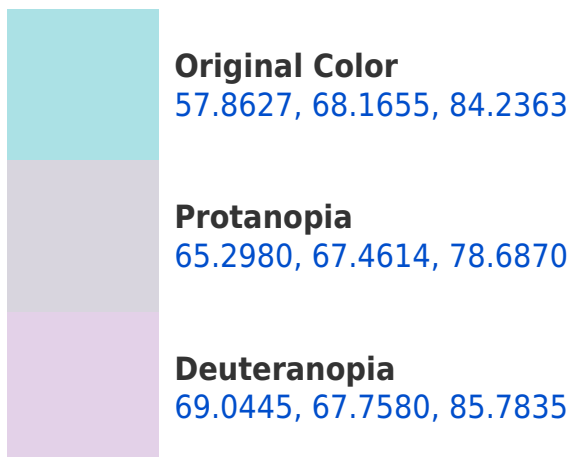


This preview shows how white text looks on a background with the XYZ color 57.8627, 68.1655,

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

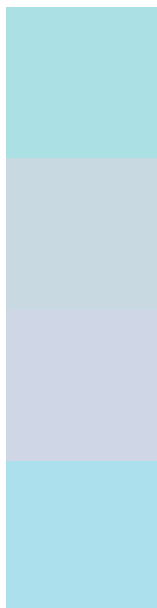




Tritanopia

59.7204, 68.1249, 93.2209

Trichromacy



Original Color

57.8627, 68.1655, 84.2363

Protanomaly

62.2229, 67.3413, 80.9528

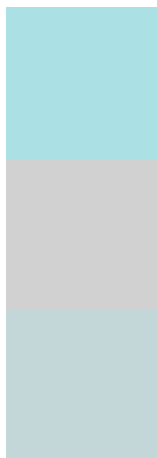
Deuteranomaly

64.4564, 67.6358, 85.2591

Tritanomaly

59.1753, 68.3100, 90.1870

Monochromacy



Original Color

57.8627, 68.1655, 84.2363

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.2008, 65.1608, 74.4228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8627, 68.1655, 84.2363 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(171, 225, 229)` looks like.

```
.text, #text, p{  
    color:rgb(171, 225, 229)  
}
```

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(171, 225, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 225, 229) }
```

Border

The CSS property to change the border of an element to XYZ 57.8627, 68.1655, 84.2363 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(171, 225, 229) }
```


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

```
.border{ border-color:rgb(171, 225, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 225, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 225, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 225, 229);  
box-shadow:4px 4px 4px 4px rgb(171, 225,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8627, 68.1655, 84.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 225, 229) }
```

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

```
.background{ background-color: rgb(171,  
225, 229) }
```

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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