

Converting Colors

XYZ(56.9357, 63.8535, 84.7760)

Have a look what the booklet for
XYZ(56.9357, 63.8535, 84.7760)
contains.

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Color

**XYZ(56.8557, 63.7175,
84.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	B1D7E7
RGB	177, 215, 231
RGB Percent	69%, 84%, 91%
CMY	0.3059, 0.1568, 0.0941
CMYK	0.23, 0.07, 0.00, 0.09
HSL	198°, 53%, 80%
HSV	198°, 23%, 91%
XYZ	56.8557, 63.7175, 84.9034
YIQ	205.4620, -27.7840, -3.0800

Conversions

Conversions Part 2

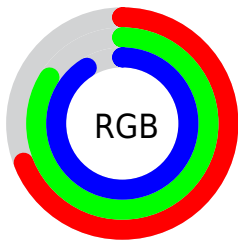
Format	Color
RYB	177, 199, 231
Decimal	11655143
CIELab	83.82, -8.96, -11.98
CIELCh	84, 14.964, 233.212
Yxy	63.7175, 0.2767, 0.3101
Android (android.graphics.Color)	4289845223 (0xFFB1D7E7)
YUV	205.4620, 12.5902, -24.9612
Hunter-Lab	79.8232, -12.5505, -7.1871

Details

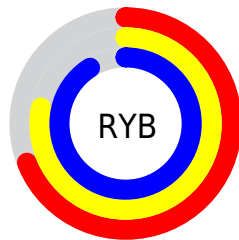
The XYZ color **56.8557, 63.7175, 84.9034** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.9615, 58.3035, 49.6898**, and the grayscale version is **58.2590, 61.2930, 66.7481**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **28.4770, 32.4477, 45.3196** is the 20% darker color. If you saturate the color by 10%, you get **50.3270, 57.8203, 84.1103**, and if you desaturate by 10%, it is **64.3517, 70.2248, 85.7654**.

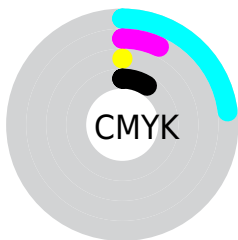
Distribution



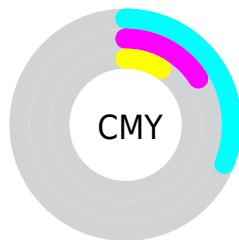
- Red (69%)
- Green (84%)
- Blue (91%)



- Red (69%)
- Yellow (78%)
- Blue (91%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8557, 63.7175, 84.9034 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 56.8557, 63.7175, 84.9034 by changing the saturation by 10% instead.

■ 56.8557, 63.7175,
84.9034

■ 56.8557, 63.7175,
84.9034

402.9313,
438.1688, 531.4446

■ 41.1291, 46.4219,
63.2119

■ 99.3872, 110.2040,
142.1112

■ 28.6081, 32.5789,
45.5705

126.9228,
140.1637, 178.4645

■ 18.9273, 21.8040,
31.5608

159.1254,
175.1135, 220.5422

■ 11.7215, 13.7130,
20.7642

196.3604,
215.4379, 268.7627

■ 6.6252, 7.9213,
12.7622

238.9931,
261.5212, 323.5447

■ 3.2730, 4.0446,
7.1362

287.3889,

■ 1.2997, 1.6986,

313.7479, 385.3067

3.4677

341.9132,
372.5023, 454.4671

■ 0.1830, 0.4227,
1.3381

■ 0.0000, 0.0000,
0.0927

■ 56.8557, 63.7175,
84.9034

■ 56.8557, 63.7175,
84.9034

■ 50.3270, 57.8203,
84.1103

■ 64.3517, 70.2248,
85.7654

■ 44.7142, 52.5006,
83.3793

■ 72.8519, 77.3577,
86.6942

■ 39.9696, 47.7340,
82.7093

■ 82.3981, 85.1405,
87.6933

■ 36.0387, 43.4911,
82.0975

■ 87.5288, 90.7591,
88.5074

■ 32.8601, 39.7390,
81.5408

■ 89.6082, 94.9179,
89.2005

■ 30.3634, 36.4397,
81.0356

■ 91.4240, 98.5496,
89.8058

■ 28.4631, 33.5479,
80.5776

■ 27.4445, 31.8105,
80.2959

Harmonies

Analogous

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



54.9378, 63.7175, 76.7575



56.8557, 63.7175, 84.9034



59.8178, 63.7175, 88.9440

Triad

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



56.8557, 63.7175, 84.9034



67.0555, 63.7175, 71.5385



58.1050, 63.7175, 54.0391

Complementary

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



56.8557, 63.7175, 84.9034



59.9615, 58.3035, 49.6898

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.



61.3115, 63.7175, 52.9142



56.8557, 63.7175, 84.9034



66.5567, 63.7175, 62.4864

Square

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



56.8557, 63.7175, 84.9034



65.7645, 63.7175, 80.7891



64.4251, 63.7175, 55.8701



55.6406, 63.7175, 59.0945

Rectangle

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



56.8557, 63.7175, 84.9034



62.0173, 63.7175, 88.5290



64.4251, 63.7175, 55.8701



59.1288, 63.7175, 53.2087

Sweetspot

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



56.8576, 63.7201, 84.9048



87.1213, 93.4427, 108.0522



56.2564, 70.3192, 60.6529



18.5077, 19.8836, 23.1124



0.0000, 0.0000, 0.0000



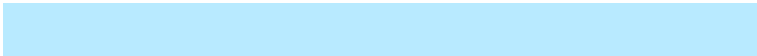
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8576, 63.7201, 84.9048



67.1010, 76.1200, 105.7638



50.6897, 51.3843, 82.8489



14.4280, 15.5774, 18.3906



15.4985, 18.0590, 45.0521



1.2251, 1.4942, 3.3558

Inverse Universe

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



60.9444, 53.3410, 71.3766



73.1269, 61.3068, 85.7064



66.3018, 70.9842, 51.8032



14.8036, 14.5386, 17.1663



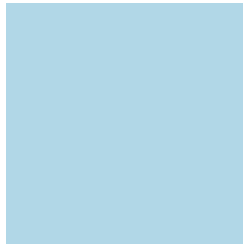
22.2164, 11.0208, 20.5664



1.6820, 0.8305, 1.7320

Previews

White Background



This preview shows how the XYZ color 56.8557, 63.7175, 84.9034 looks on a white background.

Color Contrast Check

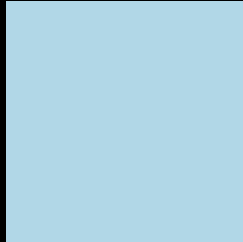
Large Text (above 18pt) WCAG AA × Fail

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 56.8557, 63.7175, 84.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

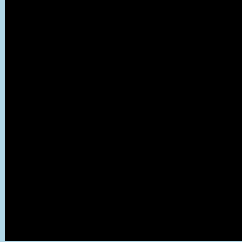
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8557, 63.7175, 84.9034

Background



This preview shows how black text looks on a background with the XYZ color 56.8557, 63.7175, 84.9034.



This preview shows how white text looks on a background with the XYZ color 56.8557, 63.7175,

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

56.8557, 63.7175, 84.9034

Protanopia

61.7724, 63.3820, 80.9297

Deuteranopia

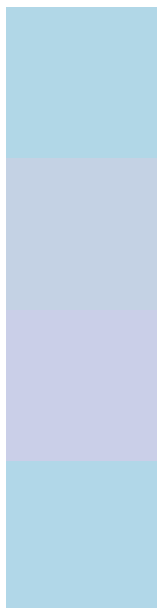
64.6792, 63.3468, 85.9090



Tritanopia

56.9974, 63.7742, 85.6495

Trichromacy



Original Color

56.8557, 63.7175, 84.9034

Protanomaly

59.8151, 63.4304, 82.4895

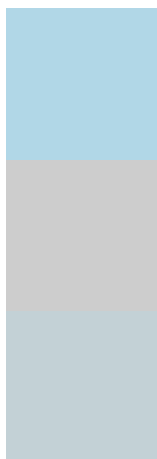
Deuteranomaly

61.2354, 63.0084, 85.2783

Tritanomaly

56.9974, 63.7742, 85.6495

Monochromacy



Original Color

56.8557, 63.7175, 84.9034

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.4437, 62.0581, 72.5691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8557, 63.7175, 84.9034 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, 215, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 215, 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, 215, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 215, 231) }
```

Border

The CSS property to change the border of an element to XYZ 56.8557, 63.7175, 84.9034 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, 215, 231) }
```


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

```
.border{ border-color:rgb(177, 215, 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, 215, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 215, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 215, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 215,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8557, 63.7175, 84.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 215, 231) }
```

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

```
.background{ background-color: rgb(177,  
215, 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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