

Converting Colors

XYZ(56.8142, 63.7417, 78.6203)

Have a look what the booklet for
XYZ(56.8142, 63.7417, 78.6203)
contains.

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Color

**XYZ(56.7767, 63.8199,
78.4333)**

Conversions

Conversions Part 1

Format	Color
Hex	B6D7DE
RGB	182, 215, 222
RGB Percent	71%, 84%, 87%
CMY	0.2863, 0.1568, 0.1294
CMYK	0.18, 0.03, 0.00, 0.13
HSL	190°, 38%, 79%
HSV	190°, 18%, 87%
XYZ	56.7767, 63.8199, 78.4333
YIQ	205.9310, -21.9150, -4.8190

Conversions

Conversions Part 2

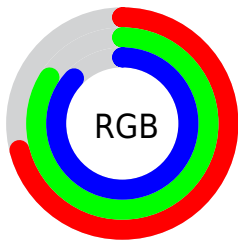
Format	Color
RYB	182, 200, 222
Decimal	11982814
CIELab	83.87, -9.39, -7.09
CIELCh	84, 11.765, 217.071
Yxy	63.8199, 0.2853, 0.3207
Android (android.graphics.Color)	4290172894 (0xFFB6D7DE)
YUV	205.9310, 7.9220, -20.9875
Hunter-Lab	79.8874, -12.9412, -2.2897

Details

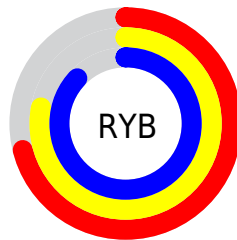
The XYZ color **56.7767, 63.8199, 78.4333** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.7659, 55.3023, 51.9398**, and the grayscale version is **58.5846, 61.6355, 67.1211**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **28.4479, 32.5208, 41.3370** is the 20% darker color. If you saturate the color by 10%, you get **50.9671, 59.3759, 77.8827**, and if you desaturate by 10%, it is **63.4447, 68.7446, 79.0334**.

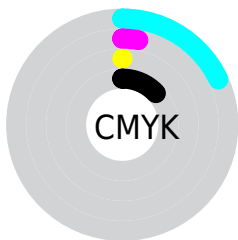
Distribution



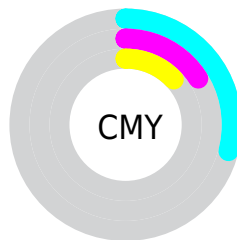
- Red (71%)
- Green (84%)
- Blue (87%)



- Red (71%)
- Yellow (78%)
- Blue (87%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (29%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7767, 63.8199, 78.4333 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 56.7767, 63.8199, 78.4333 by changing the saturation by 10% instead.

■ 56.7767, 63.8199,
78.4333

■ 56.7767, 63.8199,
78.4333

402.6398,
438.5390, 509.2040

■ 41.0654, 46.5048,
57.9114

■ 99.2725, 110.3515,
132.9522

■ 28.5581, 32.6444,
41.3232

126.7878,
140.3369, 167.7863

■ 18.8894, 21.8541,
28.2501

158.9684,
175.3144, 208.2282

■ 11.6939, 13.7498,
18.2736

196.1798,
215.6685, 254.6965

■ 6.6063, 7.9468,
10.9751

238.7873,
261.7837, 307.6096

■ 3.2613, 4.0609,
5.9362

287.1562,

■ 1.2934, 1.7077,

314.0442, 367.3863

2.7381

341.6519,
372.8345, 434.4449

■ 0.1783, 0.4286,
0.9625

■ 0.0000, 0.0000,
0.0000

■ 56.7767, 63.8199,
78.4333

■ 56.7767, 63.8199,
78.4333

■ 50.9671, 59.3759,
77.8827

■ 63.4447, 68.7446,
79.0334

■ 45.9709, 55.3842,
77.3756

■ 71.0021, 74.1612,
79.6806

■ 41.7479, 51.8254,
76.9113

■ 79.4853, 80.0904,
80.3780

■ 38.2515, 48.6754,
76.4875

■ 82.8719, 83.4278,
80.8437

■ 35.4306, 45.9074,
76.1019

■ 83.9681, 85.6202,
81.2091

■ 33.2267, 43.4912,
75.7517

■ 85.0886, 87.8611,
81.5825

■ 31.5713, 41.3912,
75.4336

■ 86.2334, 90.1508,
81.9642

■ 30.3674, 39.5570,
75.1430

■ 87.4028, 92.4896,
82.3540

■ 30.1529, 39.2097,
75.0873

■ 88.5969, 94.8778,
82.7520

Harmonies

Analogous

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



55.8561, 63.8199, 71.2572



56.7767, 63.8199, 78.4333



58.7419, 63.8199, 83.4495

Triad

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



56.7767, 63.8199, 78.4333



65.3555, 63.8199, 75.1869



60.0487, 63.8199, 56.2910

Complementary

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



56.7767, 63.8199, 78.4333



56.7659, 55.3023, 51.9398

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.



62.6171, 63.8199, 57.1794



56.7767, 63.8199, 78.4333



65.7294, 63.8199, 67.7504

Square

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



56.7767, 63.8199, 78.4333



63.7065, 63.8199, 81.4841



64.7142, 63.8199, 61.2520



57.7101, 63.8199, 58.7329

Rectangle

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



56.7767, 63.8199, 78.4333



60.4051, 63.8199, 84.7061



64.7142, 63.8199, 61.2520



60.9134, 63.8199, 56.2131

Sweetspot

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



56.7786, 63.8225, 78.4347



89.8064, 96.2467, 108.4519



54.5631, 65.8485, 57.7902



19.0699, 20.4908, 23.2000



0.0000, 0.0000, 0.0000



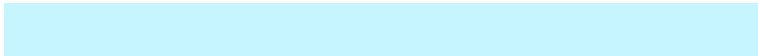
20.3446, 21.4041, 23.3091

Same Dimension

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



56.7786, 63.8225, 78.4347



74.2855, 84.7661, 107.0540



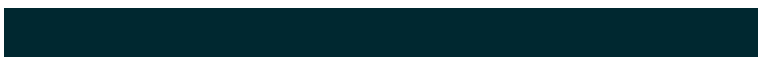
52.0674, 54.4001, 76.8643



13.9019, 15.1430, 17.5779



17.9831, 23.4357, 44.6241



1.3008, 1.7330, 3.1112

Inverse Universe

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



59.1194, 53.8933, 71.5795



78.1503, 68.6648, 95.6701



61.2876, 64.3458, 53.4471



14.1867, 13.8923, 16.7534



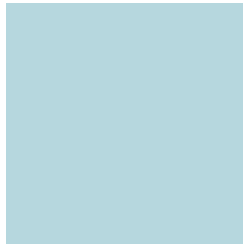
23.0172, 11.2739, 27.8201



1.6228, 0.7924, 2.0726

Previews

White Background



This preview shows how the XYZ color 56.7767, 63.8199, 78.4333 looks on a white background.

Color Contrast Check

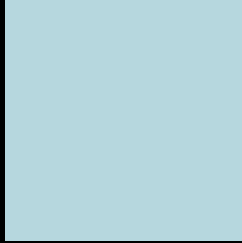
Large Text (above 18pt) WCAG AA × Fail

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 56.7767, 63.8199, 78.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

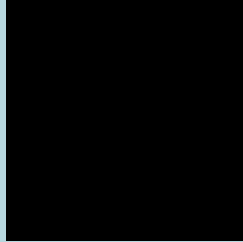
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7767, 63.8199, 78.4333

Background



This preview shows how black text looks on a background with the XYZ color 56.7767, 63.8199, 78.4333.



This preview shows how white text looks on a background with the XYZ color 56.7767, 63.8199,

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

56.7767, 63.8199, 78.4333

Protanopia

61.4156, 63.3370, 74.6340

Deuteranopia

65.0707, 63.6777, 80.0956



Tritanopia

58.2375, 64.0530, 84.8953

Trichromacy



Original Color

56.7767, 63.8199, 78.4333

Protanomaly

59.6522, 63.4870, 76.1280

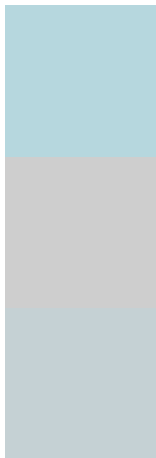
Deuteranomaly

61.4995, 63.2729, 79.4925

Tritanomaly

57.5786, 63.7619, 82.6713

Monochromacy



Original Color

56.7767, 63.8199, 78.4333

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

57.7101, 62.2247, 71.2563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7767, 63.8199, 78.4333 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(182, 215, 222)` looks like.

```
.text, #text, p{  
    color:rgb(182, 215, 222)  
}
```

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(182, 215, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 215, 222) }
```

Border

The CSS property to change the border of an element to XYZ 56.7767, 63.8199, 78.4333 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(182, 215, 222) }
```


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

```
.border{ border-color:rgb(182, 215, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 215, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 215, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 215, 222);  
box-shadow:4px 4px 4px 4px rgb(182, 215,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7767, 63.8199, 78.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 215, 222) }
```

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

```
.background{ background-color: rgb(182,  
215, 222) }
```

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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