

Converting Colors

XYZ(58.8099, 67.1047, 82.2849)

Have a look what the booklet for
XYZ(58.8099, 67.1047, 82.2849)
contains.

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Color

**XYZ(58.7776, 67.0827,
82.5234)**

Conversions

Conversions Part 1

Format	Color
Hex	B5DDE3
RGB	181, 221, 227
RGB Percent	71%, 87%, 89%
CMY	0.2902, 0.1333, 0.1098
CMYK	0.20, 0.03, 0.00, 0.11
HSL	188°, 45%, 80%
HSV	188°, 20%, 89%
XYZ	58.7776, 67.0827, 82.5234
YIQ	209.7240, -25.7660, -6.6140

Conversions

Conversions Part 2

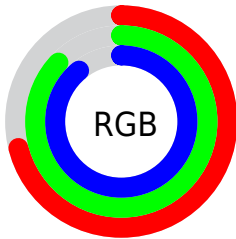
Format	Color
R _{YB}	181, 202, 227
Decimal	11918819
CIE _{Lab}	85.55, -11.71, -7.27
CIE _{LCh}	86, 13.785, 211.829
Y _{xy}	67.0827, 0.2821, 0.3219
Android (android.graphics.Color)	4290108899 (0xFFB5DDE3)
Y _{UV}	209.7240, 8.5171, -25.1909
Hunter-Lab	81.9040, -15.2333, -2.4055

Details

The XYZ color **58.7776, 67.0827, 82.5234** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.7899, 55.2078, 51.3276**, and the grayscale version is **61.0372, 64.2159, 69.9311**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **29.8350, 34.7630, 44.1672** is the 20% darker color. If you saturate the color by 10%, you get **53.1085, 63.0121, 82.0376**, and if you desaturate by 10%, it is **65.3317, 71.6334, 83.0574**.

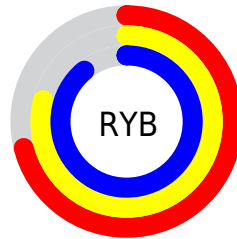
Distribution



Red (71%)

Green (87%)

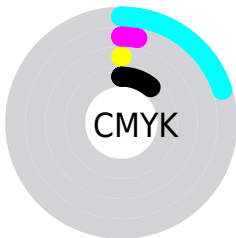
Blue (89%)



Red (71%)

Yellow (79%)

Blue (89%)

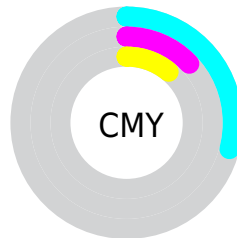


Cyan (20%)

Magenta (3%)

Yellow (0%)

Black (11%)



Cyan (29%)

Magenta (13%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7776, 67.0827, 82.5234 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 58.7776, 67.0827, 82.5234 by changing the saturation by 10% instead.

■ 58.7776, 67.0827,
82.5234

■ 58.7776, 67.0827,
82.5234

409.9845,
450.2391, 523.3261

■ 42.6798, 49.1518,
61.2587

■ 102.1708,
115.0389, 138.7510

■ 29.8274, 34.7399,
44.0021

130.1970,
145.8330, 174.5510

■ 19.8550, 23.4626,
30.3349

162.9299,
181.6837, 216.0332

■ 12.3974, 14.9355,
19.8388

200.7351,
222.9753, 263.6162

■ 7.0890, 8.7741,
12.0950

243.9778,
270.0923, 317.7184

■ 3.5647, 4.5941,
6.6851

293.0233,

■ 1.4589, 2.0112,

323.4190, 378.7584

3.1905

348.2371,
383.3398, 447.1548

■ 0.2976, 0.6139,
1.1927

■ 0.0000, 0.0000,
0.0000

■ 58.7776, 67.0827,
82.5234

■ 58.7776, 67.0827,
82.5234

■ 53.1085, 63.0121,
82.0376

■ 65.3317, 71.6334,
83.0574

■ 48.2764, 59.3916,
81.5934

■ 72.8039, 76.6763,
83.6370

■ 44.2378, 56.2004,
81.1903

■ 81.2331, 82.2332,
84.2653

■ 40.9428, 53.4127,
80.8259

■ 84.1996, 84.9948,
84.6420

■ 38.3358, 50.9997,
80.4976

■ 85.0438, 86.6830,
84.9233

■ 36.3533, 48.9285,
80.2023

■ 85.9020, 88.3995,
85.2094

■ 34.9195, 47.1600,
79.9365

■ 86.7744, 90.1443,
85.5002

■ 33.9241, 45.6637,
79.7001

■ 87.6611, 91.9176,
85.7958

■ 88.5621, 93.7196,
86.0961

Harmonies

Analogous

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



57.9266, 67.0827, 73.5936



58.7776, 67.0827, 82.5234



60.9582, 67.0827, 89.3305

Triad

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



58.7776, 67.0827, 82.5234



69.2194, 67.0827, 81.4932



63.5680, 67.0827, 57.1193

Complementary

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



58.7776, 67.0827, 82.5234



57.7899, 55.2078, 51.3276

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.



66.6466, 67.0827, 58.8640



58.7776, 67.0827, 82.5234



69.9726, 67.0827, 72.4924

Square

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



58.7776, 67.0827, 82.5234



66.9902, 67.0827, 88.7023



69.0165, 67.0827, 64.3155



60.6356, 67.0827, 59.3421

Rectangle

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



58.7776, 67.0827, 82.5234



62.9077, 67.0827, 91.4845



69.0165, 67.0827, 64.3155



64.6201, 67.0827, 57.2606

Sweetspot

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



58.7796, 67.0854, 82.5249



89.0104, 95.9467, 108.4360



55.4283, 68.3239, 56.9267



18.9169, 20.4452, 23.1992



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.



58.7796, 67.0854, 82.5249



73.5141, 85.1974, 107.1779



53.2615, 56.0494, 80.6856



14.6388, 15.9989, 18.4609



19.8456, 26.7533, 46.5011



1.5114, 2.0666, 3.4512

Inverse Universe

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



61.2551, 54.6005, 75.7202



77.2791, 66.4713, 96.7701



62.9107, 65.4494, 53.0345



14.9100, 14.5812, 17.7265



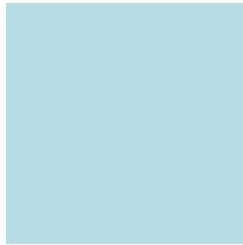
24.4107, 11.8985, 32.1211



1.8265, 0.8883, 2.4928

Previews

White Background



This preview shows how the XYZ color 58.7776, 67.0827, 82.5234 looks on a white background.

Color Contrast Check

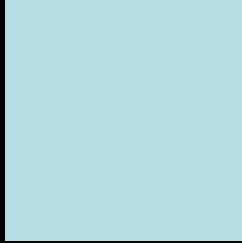
Large Text (above 18pt) WCAG AA × Fail

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 58.7776, 67.0827, 82.5234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

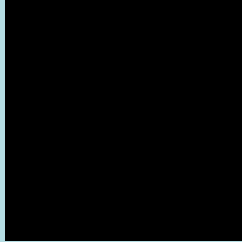
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7776, 67.0827, 82.5234

Background



This preview shows how black text looks on a background with the XYZ color 58.7776, 67.0827, 82.5234.

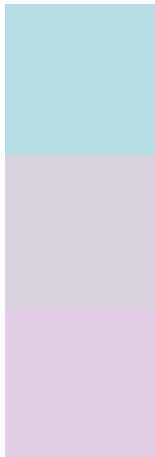


This preview shows how white text looks on a background with the XYZ color 58.7776, 67.0827,

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

58.7776, 67.0827, 82.5234

Protanopia

64.7526, 66.8080, 78.5896

Deuteranopia

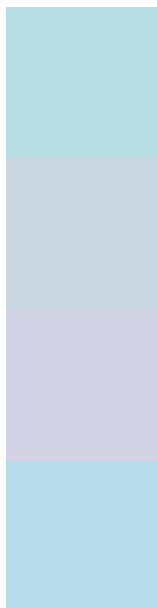
67.9598, 66.5076, 84.1183



Tritanopia

60.1460, 66.8447, 89.8531

Trichromacy



Original Color

58.7776, 67.0827, 82.5234

Protanomaly

62.3836, 66.6792, 80.1034

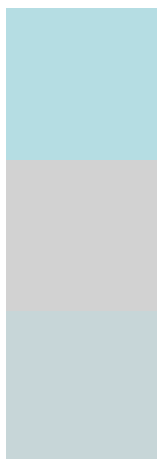
Deuteranomaly

64.2647, 66.4457, 83.5669

Tritanomaly

59.5926, 67.0147, 86.8851

Monochromacy



Original Color

58.7776, 67.0827, 82.5234

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.9944, 65.1931, 74.3872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7776, 67.0827, 82.5234 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(181, 221, 227)` looks like.

```
.text, #text, p{  
    color:rgb(181, 221, 227)  
}
```

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(181, 221, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 221, 227) }
```

Border

The CSS property to change the border of an element to XYZ 58.7776, 67.0827, 82.5234 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(181, 221, 227) }
```


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

```
.border{ border-color:rgb(181, 221, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 221, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 221, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 221, 227);  
box-shadow:4px 4px 4px 4px rgb(181, 221,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7776, 67.0827, 82.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 221, 227) }
```

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

```
.background{ background-color: rgb(181,  
221, 227) }
```

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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