

# Converting Colors

XYZ(57.8740, 64.7969, 79.5721)

Have a look what the booklet for  
XYZ(57.8740, 64.7969, 79.5721)  
contains.

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# Color

**XYZ(57.8827, 64.7537,  
79.2600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9D8DF
RGB	185, 216, 223
RGB Percent	73%, 85%, 87%
CMY	0.2745, 0.1529, 0.1255
CMYK	0.17, 0.03, 0.00, 0.13
HSL	191°, 37%, 80%
HSV	191°, 17%, 87%
XYZ	57.8827, 64.7537, 79.2600
YIQ	207.5290, -20.7230, -4.3950

# Conversions

## Conversions Part 2

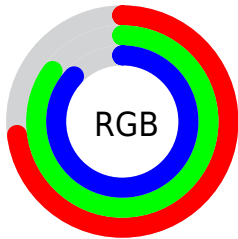
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 202, 223
Decimal	12179679
CIELab	84.36, -8.76, -6.88
CIElCh	84, 11.141, 218.162
Yxy	64.7537, 0.2867, 0.3207
Android (android.graphics.Color)	4290369759 (0xFFB9D8DF)
YUV	207.5290, 7.6272, -19.7579
Hunter-Lab	80.4697, -12.4250, -2.0699

# Details

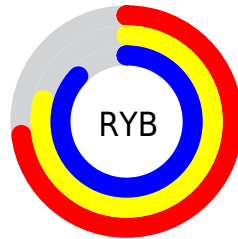
The XYZ color **57.8827, 64.7537, 79.2600** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.0385, 56.8900, 53.8220**, and the grayscale version is **59.6128, 62.7173, 68.2991**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **29.1728, 33.1422, 41.9053** is the 20% darker color. If you saturate the color by 10%, you get **51.8808, 60.1190, 78.6828**, and if you desaturate by 10%, it is **64.7584, 69.8813, 79.8884**.

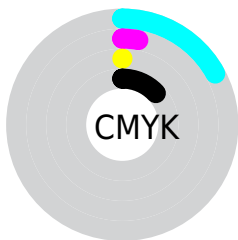
# Distribution



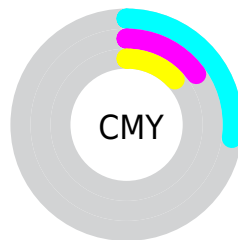
- Red (73%)
- Green (85%)
- Blue (87%)



- Red (73%)
- Yellow (79%)
- Blue (87%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (15%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8827, 64.7537, 79.2600 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 57.8827, 64.7537, 79.2600 by changing the saturation by 10% instead.



■ 57.8827, 64.7537,  
79.2600

■ 57.8827, 64.7537,  
79.2600

406.7096,  
441.9063, 512.0763

■ 41.9572, 47.2614,  
58.5870

■ 100.8760,  
111.6957, 134.1268

■ 29.2588, 33.2423,  
41.8629

128.6745,  
141.9141, 169.1577

■ 19.4219, 22.3122,  
28.6692

161.1614,  
177.1434, 209.8117

■ 12.0814, 14.0865,  
18.5873

198.7021,  
217.7680, 256.5073

■ 6.8717, 8.1808,  
11.1987

241.6619,  
264.1721, 309.6630

■ 3.4276, 4.2109,  
6.0848

290.4062,

■ 1.3837, 1.7922,

316.7403, 369.6974

2.8271

345.3003,  
375.8569, 437.0290

■ 0.2446, 0.4823,  
1.0070

■ 0.0000, 0.0000,  
0.0000

■ 57.8827, 64.7537,  
79.2600

■ 57.8827, 64.7537,  
79.2600

■ 51.8808, 60.1190,  
78.6828

■ 64.7584, 69.8813,  
79.8884

■ 46.7077, 55.9486,  
78.1505

■ 72.5392, 75.5131,  
80.5653

■ 42.3228, 52.2230,  
77.6625

■ 81.2615, 81.6698,  
81.2940

■ 38.6795, 48.9179,  
77.2165

■ 83.5371, 84.5431,  
81.7286

■ 35.7266, 46.0066,  
76.8102

■ 84.7094, 86.8876,  
82.1194

■ 33.4058, 43.4588,  
76.4408

■ 85.9089, 89.2866,  
82.5192

■ 31.6491, 41.2390,  
76.1049

■ 87.1357, 91.7403,  
82.9282

■ 30.3675, 39.3012,  
75.7984

■ 88.3901, 94.2491,  
83.3463

■ 30.0350, 38.7588,  
75.7113

■ 89.6723, 96.8134,  
83.7737

# Harmonies

## Analogous

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



56.9583, 64.7537, 72.4571



57.8827, 64.7537, 79.2600



59.7945, 64.7537, 83.9180

# Triad

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



57.8827, 64.7537, 79.2600



66.0669, 64.7537, 75.6940



60.8738, 64.7537, 57.8658

# Complementary

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



57.8827, 64.7537, 79.2600



58.0385, 56.8900, 53.8220

# 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.



63.3323, 64.7537, 58.6046



57.8827, 64.7537, 79.2600



66.3746, 64.7537, 68.5898

# Square

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



57.8827, 64.7537, 79.2600



64.5317, 64.7537, 81.7651



65.3616, 64.7537, 62.4211



58.6547, 64.7537, 60.3306



# Rectangle

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



57.8827, 64.7537, 79.2600



61.3941, 64.7537, 85.0125



65.3616, 64.7537, 62.4211



61.6991, 64.7537, 57.7510

# Sweetspot

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



57.8846, 64.7564, 79.2615



89.7694, 96.1727, 108.4396



55.9071, 66.8951, 59.8164



19.0609, 20.4728, 23.1970



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

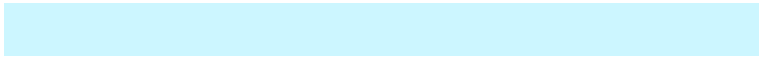


# Same Dimension

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



57.8846, 64.7564, 79.2615



75.7888, 85.7314, 107.1611



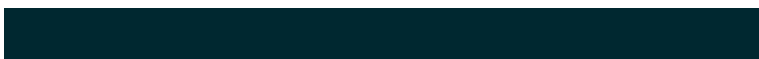
53.3018, 55.5909, 77.7339



13.8908, 15.1207, 17.5741



17.7370, 22.9435, 44.5421



1.2858, 1.7031, 3.1062



# Inverse Universe

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



60.1765, 55.3451, 72.4798



79.4075, 71.0756, 96.4083



62.4755, 65.7639, 55.3010



14.1811, 13.8901, 16.7238



22.8930, 11.2242, 27.1661

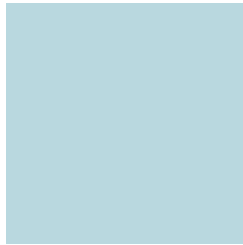


1.6153, 0.7894, 2.0329



# Previews

## White Background



This preview shows how the XYZ color 57.8827, 64.7537, 79.2600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

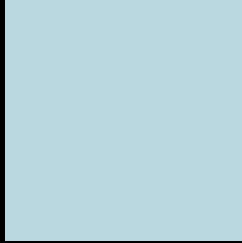
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8827, 64.7537, 79.2600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

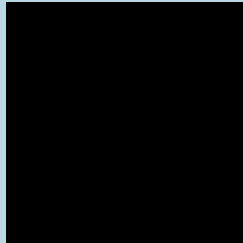
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.8827, 64.7537, 79.2600**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8827, 64.7537, 79.2600.



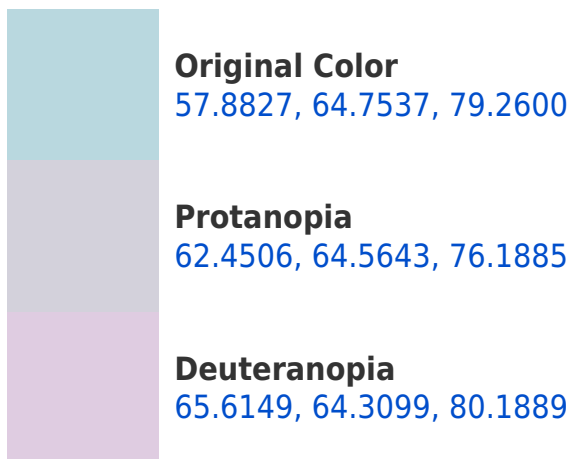
This preview shows how white text looks on a background with the XYZ color 57.8827, 64.7537,



# 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

59.3594, 64.9919, 85.7600

# Trichromacy



## Original Color

57.8827, 64.7537, 79.2600

## Protanomaly

60.8189, 64.8108, 77.0144

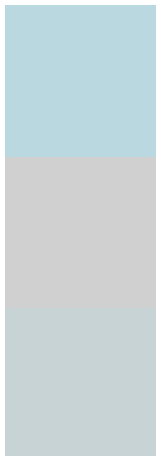
## Deuteranomaly

62.3049, 64.0489, 79.5999

## Tritanomaly

58.6930, 64.6971, 83.5231

# Monochromacy



## Original Color

57.8827, 64.7537, 79.2600

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.1239, 63.6720, 72.1245

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8827, 64.7537, 79.2600 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(185, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(185, 216, 223)  
}
```

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(185, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 216, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8827, 64.7537, 79.2600 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(185, 216, 223) }
```



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

```
.border{ border-color:rgb(185, 216, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 216, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(185, 216,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8827, 64.7537, 79.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 216, 223) }
```

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

```
.background{ background-color: rgb(185,  
216, 223) }
```

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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