

# Converting Colors

XYZ(57.5489, 63.5692, 76.4653)

Have a look what the booklet for  
XYZ(57.5489, 63.5692, 76.4653)  
contains.

<b>XYZ(57.5667, 63.5218, 76.2447)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(57.5667, 63.5218,  
76.2447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD5DB
RGB	189, 213, 219
RGB Percent	74%, 84%, 86%
CMY	0.2588, 0.1647, 0.1412
CMYK	0.14, 0.03, 0.00, 0.14
HSL	192°, 29%, 80%
HSV	192°, 14%, 86%
XYZ	57.5667, 63.5218, 76.2447
YIQ	206.5080, -16.2300, -3.2220

# Conversions

## Conversions Part 2

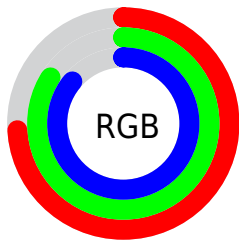
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	189, 202, 219
Decimal	12441051
CIE Lab	83.72, -6.77, -5.68
CIE LCh	84, 8.836, 219.975
Yxy	63.5218, 0.2917, 0.3219
Android (android.graphics.Color)	4290631131 (0xFFBDD5DB)
YUV	206.5080, 6.1586, -15.3545
Hunter-Lab	79.7006, -10.5477, -0.9288

# Details

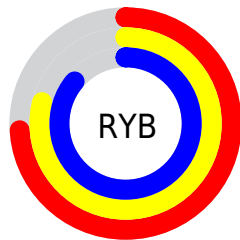
The XYZ color **57.5667, 63.5218, 76.2447** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.9142, 57.7642, 56.2424**, and the grayscale version is **58.9625, 62.0331, 67.5541**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **28.9194, 32.2850, 39.8294** is the 20% darker color. If you saturate the color by 10%, you get **51.4533, 58.7591, 75.6486**, and if you desaturate by 10%, it is **64.5339, 68.7721, 76.8919**.

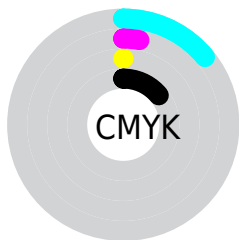
# Distribution



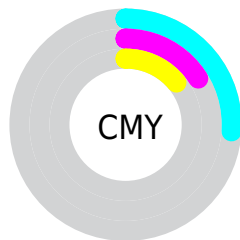
- Red (74%)
- Green (84%)
- Blue (86%)



- Red (74%)
- Yellow (79%)
- Blue (86%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (14%)



- Cyan (26%)
- Magenta (16%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5667, 63.5218, 76.2447 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 57.5667, 63.5218, 76.2447 by changing the saturation by 10% instead.



■ 57.5667, 63.5218,  
76.2447

■ 57.5667, 63.5218,  
76.2447

405.5494,  
437.4607, 501.5541

■ 41.7023, 46.2635,  
56.1253

■ 100.4182,  
109.9220, 129.8360

■ 29.0584, 32.4538,  
39.8987

128.1360,  
139.8326, 164.1450

■ 19.2695, 21.7083,  
27.1464

160.5357,  
174.7294, 204.0210

■ 11.9703, 13.6427,  
17.4498

197.9826,  
214.9969, 249.8824

■ 6.7955, 7.8726,  
10.3904

240.8420,  
261.0193, 302.1479

■ 3.3797, 4.0135,  
5.5496

289.4794,

■ 1.3576, 1.6811,

313.1812, 361.2360

2.5089

344.2601,  
371.8669, 427.5652

■ 0.2257, 0.4114,  
0.8448

■ 0.0000, 0.0000,  
0.0000

■ 57.5667, 63.5218,  
76.2447

■ 57.5667, 63.5218,  
76.2447

■ 51.4533, 58.7591,  
75.6486

■ 64.5339, 68.7721,  
76.8919

■ 46.1511, 54.4568,  
75.0977

■ 72.3838, 74.5202,  
77.5877

■ 41.6224, 50.5967,  
74.5913

■ 81.1509, 80.7860,  
78.3350

■ 37.8241, 47.1561,  
74.1274

■ 82.4670, 83.2558,  
78.7424

■ 34.7087, 44.1104,  
73.7037

■ 83.7043, 85.7304,  
79.1548

■ 32.2229, 41.4316,  
73.3176

■ 84.9724, 88.2667,  
79.5775

■ 30.3053, 39.0877,  
72.9663

■ 86.2717, 90.8651,  
80.0106

■ 28.8812, 37.0400,  
72.6461

■ 87.6022, 93.5261,  
80.4541

■ 28.1598, 35.8615,  
72.4566

■ 88.9641, 96.2500,  
80.9081

# Harmonies

## Analogous

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



56.7819, 63.5218, 71.0283



57.5667, 63.5218, 76.2447



59.1094, 63.5218, 79.6759

# Triad

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



57.5667, 63.5218, 76.2447



63.9422, 63.5218, 72.8809



59.7328, 63.5218, 59.1838

# Complementary

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



57.5667, 63.5218, 76.2447



57.9142, 57.7642, 56.2424

# 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.



61.6597, 63.5218, 59.6207



57.5667, 63.5218, 76.2447



64.1178, 63.5218, 67.3335

# Square

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



57.5667, 63.5218, 76.2447



62.7997, 63.5218, 77.6630



63.2743, 63.5218, 62.5367



58.0147, 63.5218, 61.3096



# Rectangle

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



57.5667, 63.5218, 76.2447



60.3740, 63.5218, 80.3865



63.2743, 63.5218, 62.5367



60.3772, 63.5218, 59.0386

# Sweetspot

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



57.5685, 63.5244, 76.2461



90.7494, 96.8225, 108.5133



56.1128, 65.4005, 61.0011



19.2559, 20.5988, 23.2110



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

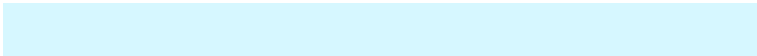


# Same Dimension

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



57.5685, 63.5244, 76.2461



79.0531, 87.9725, 107.4216



54.0821, 56.5516, 75.0840



13.2123, 14.3643, 16.7284



16.7762, 21.4219, 42.9890



1.1442, 1.5025, 2.8042



# Inverse Universe

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



59.4227, 56.2607, 70.6813



82.1017, 76.1602, 98.2428



61.3231, 64.5820, 57.3787



13.4970, 13.2279, 15.8785



21.9632, 10.7863, 25.2500

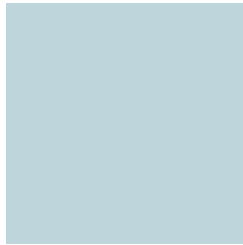


1.4518, 0.7104, 1.7883



# Previews

## White Background



This preview shows how the XYZ color 57.5667, 63.5218, 76.2447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

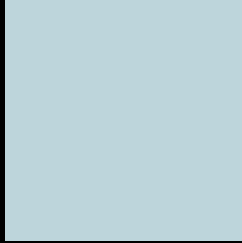
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5667, 63.5218, 76.2447 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

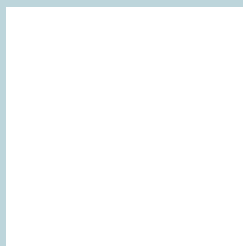
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.5667, 63.5218, 76.2447**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.5667, 63.5218, 76.2447.



This preview shows how white text looks on a background with the XYZ color 57.5667, 63.5218,



# 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

57.5667, 63.5218, 76.2447

### Protanopia

61.2858, 63.2852, 73.9509

### Deuteranopia

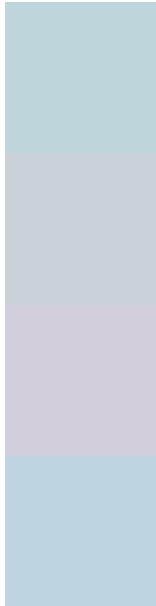
64.6031, 63.1495, 77.1907



## Tritanopia

59.0329, 63.7648, 82.5953

# Trichromacy



## Original Color

57.5667, 63.5218, 76.2447

## Protanomaly

59.6820, 63.1672, 74.6926

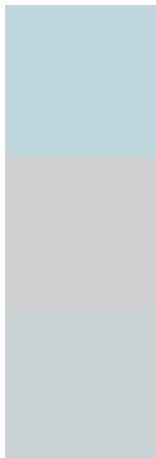
## Deuteranomaly

61.8535, 63.1588, 76.6410

## Tritanomaly

58.3693, 63.4704, 80.4088

# Monochromacy



## Original Color

57.5667, 63.5218, 76.2447

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

58.3778, 62.5834, 70.6310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5667, 63.5218, 76.2447 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(189, 213, 219)` looks like.

```
.text, #text, p{  
    color:rgb(189, 213, 219)  
}
```

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(189, 213, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 213, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5667, 63.5218, 76.2447 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(189, 213, 219) }
```



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

```
.border{ border-color:rgb(189, 213, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 213, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 213, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 213, 219);  
box-shadow:4px 4px 4px 4px rgb(189, 213,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5667, 63.5218, 76.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 213, 219) }
```

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

```
.background{ background-color: rgb(189,  
213, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor