

# Converting Colors

XYZ(51.7599, 55.1666, 67.5998)

Have a look what the booklet for  
XYZ(51.7599, 55.1666, 67.5998)  
contains.

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# Color

**XYZ(51.6011, 54.9257,  
67.5566)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BAC5D0
RGB	186, 197, 208
RGB Percent	73%, 77%, 82%
CMY	0.2706, 0.2274, 0.1843
CMYK	0.11, 0.05, 0.00, 0.18
HSL	210°, 19%, 77%
HSV	210°, 11%, 82%
XYZ	51.6011, 54.9257, 67.5566
YIQ	194.9650, -10.0870, 1.0890

# Conversions

## Conversions Part 2

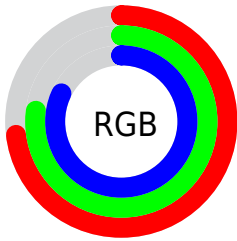
Format	Color
R <sub>Y</sub> B	186, 193, 208
Decimal	12240336
CIE Lab	79.00, -1.59, -6.79
CIE LCh	79, 6.974, 256.858
Yxy	54.9257, 0.2964, 0.3155
Android (android.graphics.Color)	4290430416 (0xFFBAC5D0)
YUV	194.9650, 6.4263, -7.8623
Hunter-Lab	74.1119, -5.4135, -2.1674

# Details

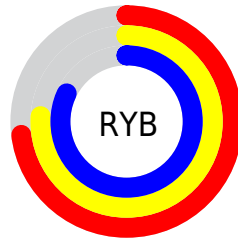
The XYZ color **51.6011, 54.9257, 67.5566** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.8418, 56.8871, 54.5451**, and the grayscale version is **51.8195, 54.5181, 59.3703**.

A 20% lighter version of the original color is **90.1098, 96.9809, 108.5776**, and **25.3281, 26.9646, 34.4416** is the 20% darker color. If you saturate the color by 10%, you get **44.6315, 47.9494, 66.5782**, and if you desaturate by 10%, it is **59.4724, 62.6115, 68.6261**.

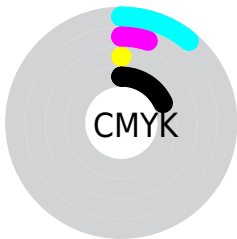
# Distribution



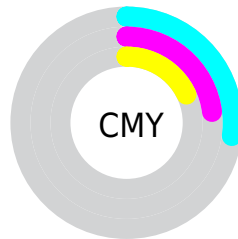
- Red (73%)
- Green (77%)
- Blue (82%)



- Red (73%)
- Yellow (76%)
- Blue (82%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (27%)
- Magenta (23%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6011, 54.9257, 67.5566 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 51.6011, 54.9257, 67.5566 by changing the saturation by 10% instead.



■ 51.6011, 54.9257,  
67.5566

■ 51.6011, 54.9257,  
67.5566

383.2440,  
405.6302, 470.4788

■ 36.9102, 39.3422,  
49.0727

■ 91.7204, 97.4321,  
117.3658

■ 25.3113, 27.0261,  
34.3111

117.8795,  
125.1238, 149.5282

■ 16.4391, 17.5928,  
22.8534

148.5921,  
157.6204, 187.0871

■ 9.9282, 10.6580,  
14.2810

184.2234,  
195.3062, 230.4611

■ 5.4133, 5.8374,  
8.1754

225.1389,  
238.5658, 280.0687

■ 2.5290, 2.7465,  
4.1180

271.7040,

■ 0.9099, 1.0008,

287.7833, 336.3285

1.6903

324.2839,  
343.3434, 399.6590

■ 0.0000, 0.0000,  
0.3541

■ 0.0000, 0.0000,  
0.0000

■ 51.6011, 54.9257,  
67.5566

■ 51.6011, 54.9257,  
67.5566

■ 44.6315, 47.9494,  
66.5782

■ 59.4724, 62.6115,  
68.6261

■ 38.5237, 41.6528,  
65.6848

■ 68.2734, 71.0216,  
69.7856

■ 33.2422, 36.0141,  
64.8748

■ 78.0368, 80.1789,  
71.0385

■ 28.7467, 31.0073,  
64.1453

■ 83.3729, 87.3093,  
72.1336

■ 24.9933, 26.6045,  
63.4933

■ 86.4981, 93.5596,  
73.1753

■ 21.9334, 22.7751,  
62.9154

■ 88.3853, 97.3341,  
73.8044

■ 19.5119, 19.4849,  
62.4080

■ 17.6636, 16.6943,  
61.9668

■ 16.3386, 14.4607,  
61.6055

# Harmonies

## Analogous

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



50.4024, 54.9257, 65.5537



51.6011, 54.9257, 67.5566



52.9826, 54.9257, 67.4176

# Triad

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



51.6011, 54.9257, 67.5566



54.7998, 54.9257, 57.6166



50.2830, 54.9257, 54.7316

# Complementary

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



51.6011, 54.9257, 67.5566



54.8418, 56.8871, 54.5451

# 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.



51.4355, 54.9257, 52.7877



51.6011, 54.9257, 67.5566



54.0505, 54.9257, 54.4021

# Square

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



51.6011, 54.9257, 67.5566



54.8461, 54.9257, 61.5585



52.8141, 54.9257, 52.6698



49.6505, 54.9257, 58.0846



# Rectangle

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



51.6011, 54.9257, 67.5566



53.8216, 54.9257, 66.1277



52.8141, 54.9257, 52.6698



50.6215, 54.9257, 53.8983

# Sweetspot

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



51.6027, 54.9280, 67.5578



91.0835, 96.1623, 108.3683



52.8425, 59.5662, 61.3165



19.2736, 20.3670, 23.1653



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

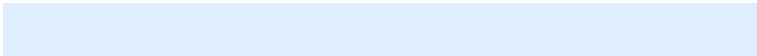


# Same Dimension

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



51.6027, 54.9280, 67.5578



78.8280, 84.1254, 106.6909



49.2720, 50.2666, 66.7809



11.6452, 12.3806, 15.0196



10.2797, 9.2059, 38.4276



0.6541, 0.6734, 2.1751



# Inverse Universe

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



53.6506, 52.5600, 60.1435



82.8173, 79.6212, 92.2237



57.3428, 61.8892, 55.3788



12.0518, 11.9055, 13.5485



17.8194, 9.0006, 9.2212

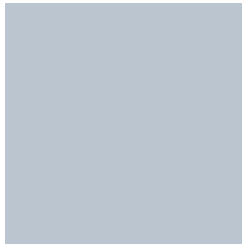


1.0364, 0.5193, 0.7265



# Previews

## White Background



This preview shows how the XYZ color 51.6011, 54.9257, 67.5566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

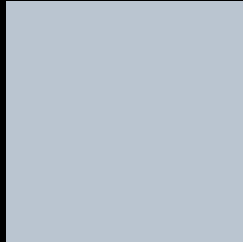
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6011, 54.9257, 67.5566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

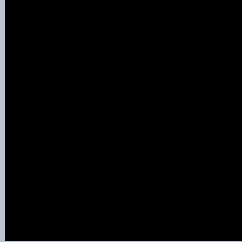
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

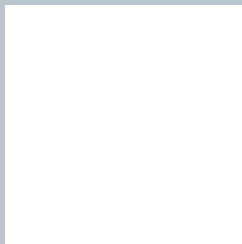
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.6011, 54.9257, 67.5566

## Background



This preview shows how black text looks on a background with the XYZ color 51.6011, 54.9257, 67.5566.



This preview shows how white text looks on a background with the XYZ color 51.6011, 54.9257,



# 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

51.6011, 54.9257, 67.5566

### Protanopia

53.1973, 54.7756, 66.1615

### Deuteranopia

55.9345, 54.8403, 67.9588



## **Tritanopia**

52.1171, 54.7981, 70.1176

# Trichromacy



## Original Color

51.6011, 54.9257, 67.5566

## Protanomaly

52.5158, 54.7417, 66.8298

## Deuteranomaly

54.3980, 55.0227, 68.0750

## Tritanomaly

51.9913, 54.7478, 69.4552

# Monochromacy



## Original Color

51.6011, 54.9257, 67.5566

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.9035, 54.8565, 62.4963

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6011, 54.9257, 67.5566 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(186, 197, 208) looks like.

```
.text, #text, p{  
    color:rgb(186, 197, 208)  
}
```

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(186, 197, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 197, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6011, 54.9257, 67.5566 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(186, 197, 208) }
```



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

```
.border{ border-color:rgb(186, 197, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 197, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 197, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 197, 208);  
box-shadow:4px 4px 4px 4px rgb(186, 197,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6011, 54.9257, 67.5566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 197, 208) }
```

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

```
.background{ background-color: rgb(186,  
197, 208) }
```

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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