

# Converting Colors

XYZ(56.9337, 63.5706, 69.5511)

Have a look what the booklet for  
XYZ(56.9337, 63.5706, 69.5511)  
contains.

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# Color

**XYZ(57.0410, 63.7729,  
69.6246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BFD6D1</a>
RGB	<a href="#">191, 214, 209</a>
RGB Percent	<a href="#">75%, 84%, 82%</a>
CMY	<a href="#">0.2510, 0.1608, 0.1804</a>
CMYK	<a href="#">0.11, 0.00, 0.02, 0.16</a>
HSL	<a href="#">167°, 22%, 79%</a>
HSV	<a href="#">167°, 11%, 84%</a>
XYZ	<a href="#">57.0410, 63.7729, 69.6246</a>
YIQ	<a href="#">206.5530, -12.1030, -6.4310</a>

# Conversions

## Conversions Part 2

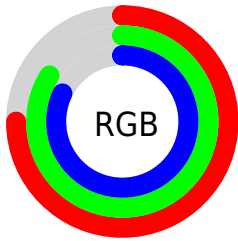
Format	Color
R <sub>Y</sub> B	191, 204, 214
Decimal	12572369
CIE Lab	83.85, -8.63, -0.15
CIE LCh	84, 8.630, 181.024
Yxy	63.7729, 0.2995, 0.3349
Android (android.graphics.Color)	4290762449 (0xFFBFD6D1)
YUV	206.5530, 1.2064, -13.6400
Hunter-Lab	79.8579, -12.2522, 4.2082

# Details

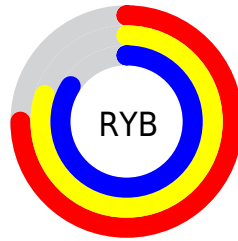
The XYZ color **57.0410, 63.7729, 69.6246** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.3284, 55.5449, 59.9798**, and the grayscale version is **59.0202, 62.0939, 67.6202**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **28.6311, 32.4812, 35.7708** is the 20% darker color. If you saturate the color by 10%, you get **51.4800, 60.9734, 66.4009**, and if you desaturate by 10%, it is **63.4089, 66.9898, 72.9766**.

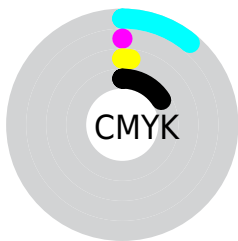
# Distribution



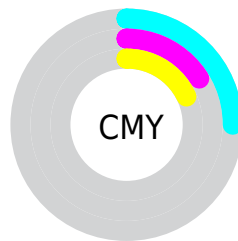
- Red (75%)
- Green (84%)
- Blue (82%)



- Red (75%)
- Yellow (80%)
- Blue (84%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (25%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0410, 63.7729, 69.6246 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 57.0410, 63.7729, 69.6246 by changing the saturation by 10% instead.



■ 57.0410, 63.7729,  
69.6246

■ 57.0410, 63.7729,  
69.6246

403.6146,  
438.3691, 477.9843

■ 41.2784, 46.4668,  
50.7456

■ 99.6560, 110.2838,  
120.3493

■ 28.7253, 32.6143,  
35.6309

127.2392,  
140.2574, 153.0322

■ 19.0164, 21.8311,  
23.8618

159.4932,  
175.2222, 191.1534

■ 11.7862, 13.7329,  
15.0199

196.7836,  
215.5627, 235.1316

■ 6.6694, 7.9351,  
8.6866

239.4755,  
261.6632, 285.3852

■ 3.3007, 4.0535,  
4.4433

287.9344,

■ 1.3147, 1.7035,

313.9082, 342.3329

1.8716

342.5257,  
372.6820, 406.3930

■ 0.1942, 0.4259,  
0.4745

■ 0.0000, 0.0000,  
0.0000

■ 57.0410, 63.7729,  
69.6246

■ 57.0410, 63.7729,  
69.6246

■ 51.4800, 60.9734,  
66.4009

■ 63.4089, 66.9898,  
72.9766

■ 46.6862, 58.5659,  
63.2990


■ 70.6102, 70.6327,  
76.4549


■ 42.6250, 56.5340,  
60.3177


■ 78.6023, 74.6813,  
80.0596


■ 39.2567, 54.8575,  
57.4546


■ 79.2386, 74.9358,  
83.4101


 36.5379, 53.5139,  
54.7067


 79.8923, 75.1973,  
86.8522


 34.4202, 52.4783,  
52.0711


 80.5634, 75.4658,  
90.3866


 32.8482, 51.7222,  
49.5443

 81.2523, 75.7413,  
94.0140

 31.7560, 51.2116,  
47.1225

 81.9589, 76.0239,  
97.7350

 31.0653, 50.9025,  
44.9698

 82.6834, 76.3138,  
101.5503

# Harmonies

## Analogous

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



57.4799, 63.7729, 64.5006



57.0410, 63.7729, 69.6246



57.5428, 63.7729, 74.9604

# Triad

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



57.0410, 63.7729, 69.6246



62.5131, 63.7729, 78.7770



62.3979, 63.7729, 60.6968

# Complementary

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



57.0410, 63.7729, 69.6246



56.3284, 55.5449, 59.9798

# 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.



63.7930, 63.7729, 64.1934



57.0410, 63.7729, 69.6246



63.8605, 63.7729, 74.6208

# Square

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



57.0410, 63.7729, 69.6246



60.6794, 63.7729, 80.4114



64.3337, 63.7729, 69.2514



60.5491, 63.7729, 59.5111



# Rectangle

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



57.0410, 63.7729, 69.6246



58.3494, 63.7729, 77.8769



64.3337, 63.7729, 69.2514



62.9369, 63.7729, 61.6316

# Sweetspot

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



57.0428, 63.7756, 69.6260



92.0246, 98.4711, 107.3661



56.3129, 63.6424, 58.6074



19.5281, 20.9915, 22.8936



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

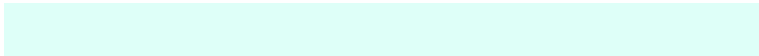


# Same Dimension

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



57.0428, 63.7756, 69.6260



82.7490, 93.7902, 102.3781



56.1488, 60.9805, 72.4325



12.6712, 14.0595, 15.3488



18.8161, 30.7818, 27.3909



1.1643, 1.8684, 1.8067



# Inverse Universe

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



56.3284, 55.5449, 59.9798



81.4727, 79.0834, 85.1433



57.1341, 58.0527, 57.4851



12.5327, 12.4646, 13.4795



17.0984, 8.7757, 2.5561

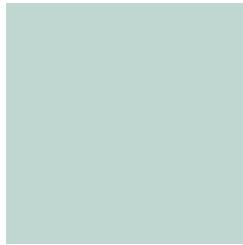


1.0627, 0.5419, 0.3193



# Previews

## White Background



This preview shows how the XYZ color 57.0410, 63.7729, 69.6246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

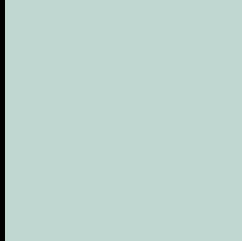
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0410, 63.7729, 69.6246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

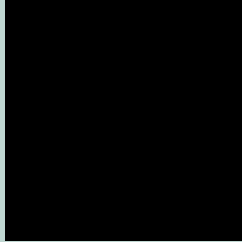
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

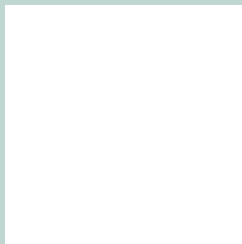
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.0410, 63.7729, 69.6246**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.0410, 63.7729, 69.6246.



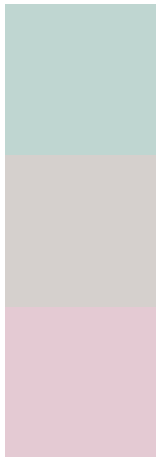
This preview shows how white text looks on a background with the XYZ color 57.0410, 63.7729,



# 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

57.0410, 63.7729, 69.6246

### Protanopia

61.0159, 63.6657, 66.8304

### Deuteranopia

64.8733, 63.4382, 70.4536



## Tritanopia

59.5460, 63.6593, 82.5479

# Trichromacy



## Original Color

57.0410, 63.7729, 69.6246

## Protanomaly

59.3640, 63.5286, 67.5259

## Deuteranomaly

61.7285, 63.2428, 69.9264

## Tritanomaly

58.5869, 63.6449, 77.6034

# Monochromacy



## Original Color

57.0410, 63.7729, 69.6246

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

58.5192, 63.0648, 68.7629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0410, 63.7729, 69.6246 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(191, 214, 209)` looks like.

```
.text, #text, p{  
    color:rgb(191, 214, 209)  
}
```

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(191, 214, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 214, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0410, 63.7729, 69.6246 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(191, 214, 209) }
```



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

```
.border{ border-color:rgb(191, 214, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 214, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 214, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 214, 209); box-shadow:4px 4px 4px 4px rgb(191, 214, 209) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0410, 63.7729, 69.6246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 214, 209) }
```

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

```
.background{ background-color: rgb(191,  
214, 209) }
```

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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