

# Converting Colors

XYZ(57.8672, 63.1280, 72.1571)

Have a look what the booklet for  
XYZ(57.8672, 63.1280, 72.1571)  
contains.

<b>XYZ(57.8102, 62.9947, 72.0631)</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(57.8102, 62.9947,  
72.0631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D3D5
RGB	195, 211, 213
RGB Percent	76%, 83%, 84%
CMY	0.2353, 0.1725, 0.1647
CMYK	0.08, 0.01, 0.00, 0.16
HSL	187°, 18%, 80%
HSV	187°, 8%, 84%
XYZ	57.8102, 62.9947, 72.0631
YIQ	206.4440, -10.1780, -2.7700

# Conversions

## Conversions Part 2

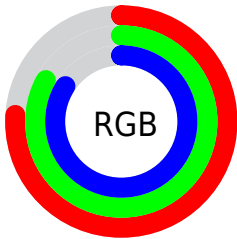
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 203, 213
Decimal	12833749
CIE Lab	83.44, -4.98, -2.85
CIE LCh	83, 5.739, 209.727
Yxy	62.9947, 0.2997, 0.3266
Android (android.graphics.Color)	4291023829 (0xFFC3D3D5)
YUV	206.4440, 3.2321, -10.0364
Hunter-Lab	79.3692, -8.8819, 1.7262

# Details

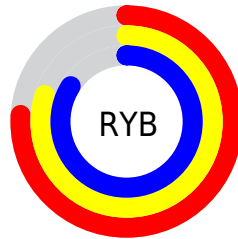
The XYZ color **57.8102, 62.9947, 72.0631** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2575, 58.0185, 59.8118**, and the grayscale version is **58.9368, 62.0061, 67.5247**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **29.2130, 32.2453, 37.0320** is the 20% darker color. If you saturate the color by 10%, you get **52.1122, 59.1939, 71.6308**, and if you desaturate by 10%, it is **64.3055, 67.2228, 72.5378**.

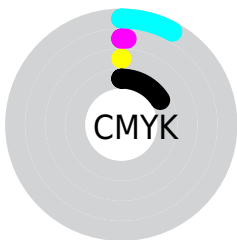
# Distribution



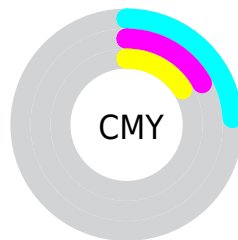
- Red (76%)
- Green (83%)
- Blue (84%)



- Red (76%)
- Yellow (80%)
- Blue (84%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (24%)
- Magenta (17%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8102, 62.9947, 72.0631 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 57.8102, 62.9947, 72.0631 by changing the saturation by 10% instead.



■ 57.8102, 62.9947,  
72.0631

■ 57.8102, 62.9947,  
72.0631

406.4436,  
435.5503, 486.7446

■ 41.8987, 45.8369,  
52.7231

■ 100.7710,  
109.1619, 123.8548

■ 29.2128, 32.1172,  
37.1955

128.5510,  
138.9400, 157.1435

■ 19.3869, 21.4510,  
25.0619

161.0179,  
173.6938, 195.9189

■ 12.0559, 13.4541,  
15.9038

198.5371,  
213.8076, 240.5995

■ 6.8542, 7.7420,  
9.3025

241.4739,  
259.6657, 291.6039

■ 3.4166, 3.9303,  
4.8395

290.1937,

■ 1.3777, 1.6346,

311.6526, 349.3505

2.0963

345.0618,  
370.1526, 414.2579

■ 0.2403, 0.3808,  
0.6136

■ 0.0000, 0.0000,  
0.0000

■ 57.8102, 62.9947,  
72.0631

■ 57.8102, 62.9947,  
72.0631

■ 52.1122, 59.1939,  
71.6308

■ 64.3055, 67.2228,  
72.5378

■ 47.1730, 55.7952,  
71.2351

■ 71.6238, 71.8864,  
73.0523

■ 42.9590, 52.7831,  
70.8758

■ 78.3462, 76.2557,  
73.5413

■ 39.4318, 50.1377,  
70.5511

■ 78.9637, 77.4907,  
73.7472

■ 36.5495, 47.8374,  
70.2590

■ 79.5900, 78.7434,  
73.9560

■ 34.2658, 45.8582,  
69.9973

■ 80.2252, 80.0136,  
74.1677

■ 32.5277, 44.1728,  
69.7636

■ 80.8691, 81.3016,  
74.3823

■ 31.2732, 42.7490,  
69.5549

■ 81.5220, 82.6073,  
74.5999

■ 30.4083, 41.5385,  
69.3669

■ 82.1837, 83.9308,  
74.8205

# Harmonies

## Analogous

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



57.5016, 62.9947, 68.5578



57.8102, 62.9947, 72.0631



58.6703, 62.9947, 74.7129

# Triad

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



57.8102, 62.9947, 72.0631



61.9758, 62.9947, 72.1218



59.8860, 62.9947, 61.9306

# Complementary

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



57.8102, 62.9947, 72.0631



57.2575, 58.0185, 59.8118

# 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.



61.0952, 62.9947, 62.8121



57.8102, 62.9947, 72.0631



62.3120, 62.9947, 68.6233

# Square

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



57.8102, 62.9947, 72.0631



61.0751, 62.9947, 74.7476



61.9875, 62.9947, 65.2313



58.6899, 62.9947, 62.7812



# Rectangle

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



57.8102, 62.9947, 72.0631



59.4467, 62.9947, 75.5938



61.9875, 62.9947, 65.2313



60.3045, 62.9947, 62.0337

# Sweetspot

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



57.8120, 62.9974, 72.0645



92.0212, 98.0375, 108.6808



56.3561, 63.2138, 61.9355



19.5271, 20.8740, 23.2498



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

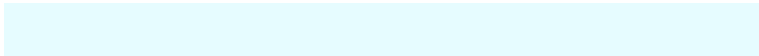


# Same Dimension

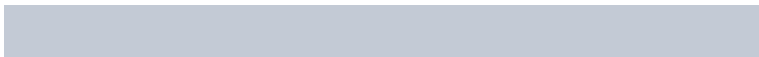
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.8120, 62.9974, 72.0645



85.3870, 93.6886, 108.1911



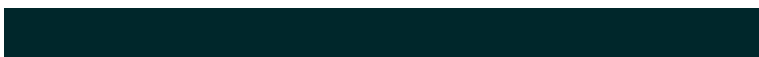
55.6845, 58.7423, 71.3553



12.6691, 13.8615, 15.9453



18.5477, 25.3572, 42.3700



1.1530, 1.5981, 2.5670



# Inverse Universe

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



58.7150, 57.8808, 69.7086



86.9957, 84.6148, 103.9847



59.3151, 62.1338, 60.4976



12.8909, 12.6079, 15.3658



22.4209, 10.9047, 30.5841

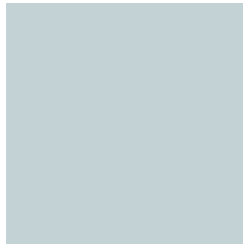


1.3696, 0.6646, 1.9359



# Previews

## White Background



This preview shows how the XYZ color 57.8102, 62.9947, 72.0631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

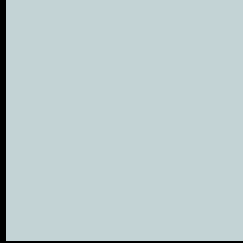
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8102, 62.9947, 72.0631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

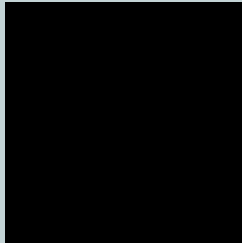
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

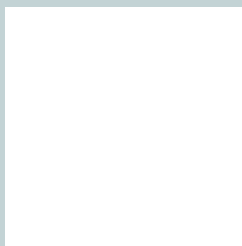
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.8102, 62.9947, 72.0631**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8102, 62.9947, 72.0631.



This preview shows how white text looks on a background with the XYZ color 57.8102, 62.9947,



# 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

57.8102, 62.9947, 72.0631

### Protanopia

60.5240, 62.9804, 69.9392

### Deuteranopia

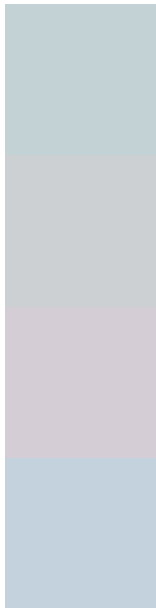
63.8929, 62.5269, 72.9914



## Tritanopia

59.5539, 62.9622, 80.9656

# Trichromacy



## Original Color

57.8102, 62.9947, 72.0631

## Protanomaly

59.4906, 62.7940, 70.6130

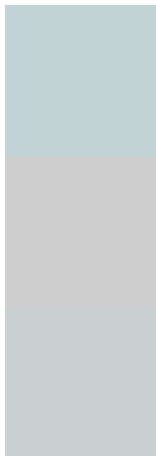
## Deuteranomaly

61.4095, 62.6638, 72.4770

## Tritanomaly

58.8627, 63.0494, 77.4740

# Monochromacy



## Original Color

57.8102, 62.9947, 72.0631

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.4216, 62.2718, 69.2621

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8102, 62.9947, 72.0631 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(195, 211, 213) looks like.

```
.text, #text, p{  
    color:rgb(195, 211, 213)  
}
```

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(195, 211, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 211, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8102, 62.9947, 72.0631 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(195, 211, 213) }
```



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

```
.border{ border-color:rgb(195, 211, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 211, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 211, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 211, 213);  
box-shadow:4px 4px 4px 4px rgb(195, 211,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8102, 62.9947, 72.0631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 211, 213) }
```

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

```
.background{ background-color: rgb(195,  
211, 213) }
```

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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