

# Converting Colors

XYZ(59.6068, 62.0521, 72.9848)

Have a look what the booklet for  
XYZ(59.6068, 62.0521, 72.9848)  
contains.

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# **Color**

**XYZ(59.7906, 62.1707,  
73.1388)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CECED7
RGB	206, 206, 215
RGB Percent	81%, 81%, 84%
CMY	0.1922, 0.1921, 0.1569
CMYK	0.04, 0.04, 0.00, 0.16
HSL	240°, 10%, 83%
HSV	240°, 4%, 84%
XYZ	59.7906, 62.1707, 73.1388
YIQ	207.0260, -2.8890, 2.7990

# Conversions

## Conversions Part 2

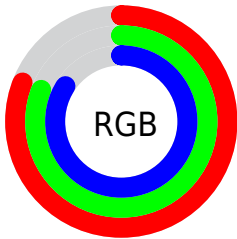
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	206, 206, 215
Decimal	13553367
CIE Lab	83.00, 1.68, -4.46
CIE LCh	83, 4.764, 290.604
Yxy	62.1707, 0.3065, 0.3187
Android (android.graphics.Color)	4291743447 (0xFFCECED7)
YUV	207.0260, 3.9312, -0.8998
Hunter-Lab	78.8484, -2.6285, 0.1972

# Details

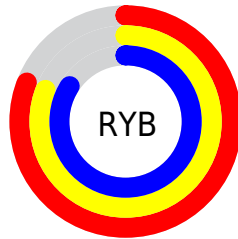
The XYZ color **59.7906, 62.1707, 73.1388** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4654, 67.5034, 68.0779**, and the grayscale version is **59.3032, 62.3916, 67.9445**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.5223, 31.6699, 37.7619** is the 20% darker color. If you saturate the color by 10%, you get **49.4006, 49.6533, 71.2712**, and if you desaturate by 10%, it is **71.7081, 76.5292, 75.2831**.

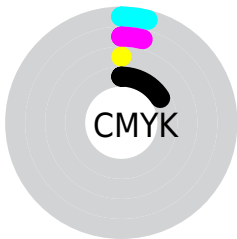
# Distribution



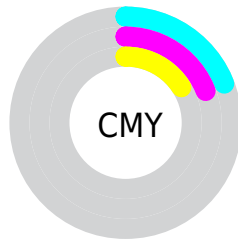
- Red (81%)
- Green (81%)
- Blue (84%)



- Red (81%)
- Yellow (81%)
- Blue (84%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (19%)
- Magenta (19%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7906, 62.1707, 73.1388 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 59.7906, 62.1707, 73.1388 by changing the saturation by 10% instead.



■ 59.7906, 62.1707,  
73.1388

■ 59.7906, 62.1707,  
73.1388

413.6726,  
432.5535, 490.5794

■ 43.4987, 45.1706,  
53.5970

103.6339,  
107.9722, 125.3970

■ 30.4728, 31.5919,  
37.8885

131.9160,  
137.5424, 158.9504

■ 20.3476, 21.0499,  
25.5950

164.9256,  
172.0715, 198.0114

■ 12.7577, 13.1605,  
16.2979

203.0280,  
211.9438, 242.9986

■ 7.3377, 7.5392,  
9.5786

246.5885,  
257.5438, 294.3304

■ 3.7224, 3.8015,  
5.0185

295.9726,

■ 1.5463, 1.5632,

309.2558, 352.4255

2.1992

351.5455,  
367.4642, 417.7023

■ 0.3570, 0.3326,  
0.6739

■ 0.0000, 0.0000,  
0.0000

■ 59.7906, 62.1707,  
73.1388

■ 59.7906, 62.1707,  
73.1388

■ 49.4006, 49.6533,  
71.2712

■ 71.7081, 76.5292,  
75.2831

■ 40.4714, 38.8949,  
69.6653

■ 85.2056, 92.7907,  
77.7105

■ 32.9389, 29.8193,  
68.3105

■ 89.2659, 97.6864,  
78.4414

■ 26.7327, 22.3415,  
67.1943

■ 21.7760, 16.3688,  
66.3027

■ 17.9842, 11.7995,  
65.6206

■ 15.2621, 8.5189,  
65.1308

■ 13.4996, 6.3945,  
64.8137

■ 12.5632, 5.2654,  
64.6451

# Harmonies

## Analogous

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



58.7688, 62.1707, 73.4409



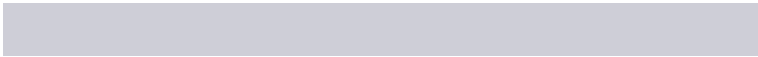
59.7906, 62.1707, 73.1388



60.6341, 62.1707, 71.3549

# Triad

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



59.7906, 62.1707, 73.1388



60.3565, 62.1707, 63.4069



57.1602, 62.1707, 66.7721

# Complementary

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



59.7906, 62.1707, 73.1388



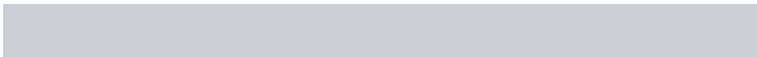
63.4654, 67.5034, 68.0779

# 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.



57.5751, 62.1707, 64.1592



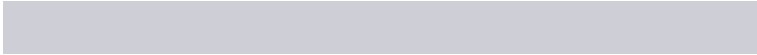
59.7906, 62.1707, 73.1388



59.4151, 62.1707, 62.2537

# Square

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



59.7906, 62.1707, 73.1388



60.9634, 62.1707, 65.7182



58.3976, 62.1707, 62.5251

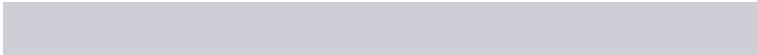


57.2581, 62.1707, 69.7076



# Rectangle

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



59.7906, 62.1707, 73.1388



60.9780, 62.1707, 69.5932



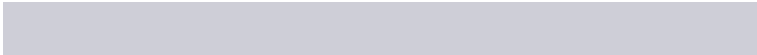
58.3976, 62.1707, 62.5251



57.2441, 62.1707, 65.8283

# Sweetspot

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



59.7924, 62.1733, 73.1402



93.3103, 97.9040, 108.5871



62.0014, 66.6223, 73.7814



19.9906, 20.9776, 23.2454



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.



59.7924, 62.1733, 73.1402



86.5819, 89.7976, 107.3771



61.0161, 62.8029, 73.1972



12.6118, 13.0562, 15.7929



7.3371, 2.9360, 38.6331



0.4427, 0.1774, 2.3302

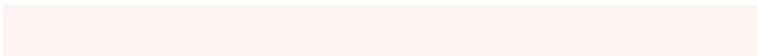


# Inverse Universe

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



61.2376, 63.0470, 67.3374



89.1319, 91.3393, 97.1378



62.2057, 66.8553, 68.0192



13.0307, 13.3094, 14.1112



16.7623, 8.6412, 0.7863

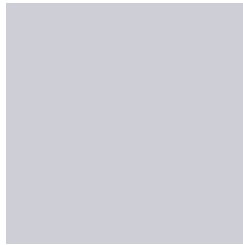


1.0111, 0.5212, 0.0478



# Previews

## White Background



This preview shows how the XYZ color 59.7906, 62.1707, 73.1388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

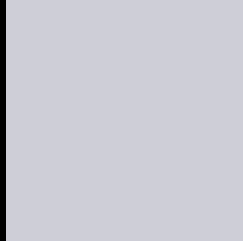
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.7906, 62.1707, 73.1388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

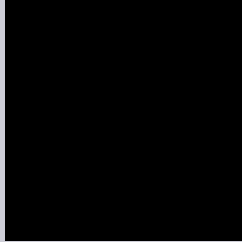
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

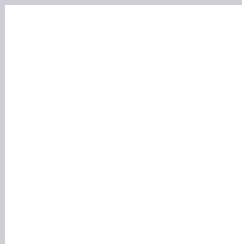
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.7906, 62.1707, 73.1388**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.7906, 62.1707, 73.1388.



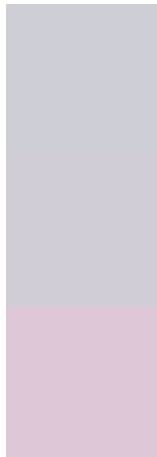
This preview shows how white text looks on a background with the XYZ color 59.7906, 62.1707,



# 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

59.7906, 62.1707, 73.1388

### Protanopia

60.1095, 61.9788, 73.0850

### Deuteranopia

63.1731, 61.7960, 73.5640



## Tritanopia

60.6146, 62.1485, 77.2077

# Trichromacy



## Original Color

59.7906, 62.1707, 73.1388

## Protanomaly

59.8292, 61.8343, 73.0719

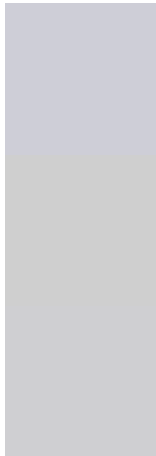
## Deuteranomaly

61.8341, 61.7979, 73.6349

## Tritanomaly

60.3496, 62.0425, 75.8125

# Monochromacy



## Original Color

59.7906, 62.1707, 73.1388

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

59.6778, 62.5442, 69.8996

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7906, 62.1707, 73.1388 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(206, 206, 215) looks like.

```
.text, #text, p{  
    color:rgb(206, 206, 215)  
}
```

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(206, 206, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 206, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7906, 62.1707, 73.1388 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(206, 206, 215) }
```



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

```
.border{ border-color:rgb(206, 206, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 206, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 206, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 206, 215);  
box-shadow:4px 4px 4px 4px rgb(206, 206,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7906, 62.1707, 73.1388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 206, 215) }
```

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

```
.background{ background-color: rgb(206,  
206, 215) }
```

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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