

# Converting Colors

XYZ(63.0577, 68.1512, 88.5863)

Have a look what the booklet for  
XYZ(63.0577, 68.1512, 88.5863)  
contains.

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# Color

**XYZ(62.8318, 67.8767,  
88.3872)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4DAEB
RGB	196, 218, 235
RGB Percent	77%, 85%, 92%
CMY	0.2314, 0.1451, 0.0784
CMYK	0.17, 0.07, 0.00, 0.08
HSL	206°, 49%, 85%
HSV	206°, 17%, 92%
XYZ	62.8318, 67.8767, 88.3872
YIQ	213.3600, -18.5690, 0.6230

# Conversions

## Conversions Part 2

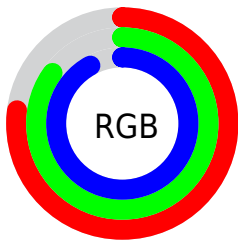
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 210, 235
Decimal	12901099
CIE Lab	85.94, -3.85, -10.80
CIE LCh	86, 11.469, 250.362
Yxy	67.8767, 0.2868, 0.3098
Android (android.graphics.Color)	4291091179 (0xFFC4DAEB)
YUV	213.3600, 10.6685, -15.2247
Hunter-Lab	82.3873, -8.0467, -5.9367

# Details

The XYZ color **62.8318, 67.8767, 88.3872** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0197, 69.2364, 62.0051**, and the grayscale version is **63.4282, 66.7314, 72.6704**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **32.3892, 35.1998, 47.7350** is the 20% darker color. If you saturate the color by 10%, you get **54.6173, 59.8218, 87.2665**, and if you desaturate by 10%, it is **72.1718, 76.7590, 89.6105**.

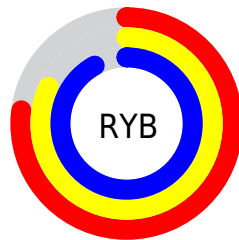
# Distribution



Red (77%)

Green (85%)

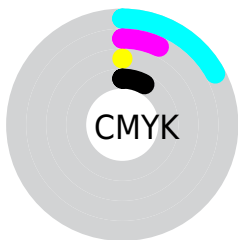
Blue (92%)



Red (77%)

Yellow (82%)

Blue (92%)

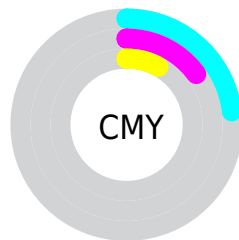


Cyan (17%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (23%)

Magenta (15%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8318, 67.8767, 88.3872 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 62.8318, 67.8767, 88.3872 by changing the saturation by 10% instead.



■ 62.8318, 67.8767,  
88.3872

■ 62.8318, 67.8767,  
88.3872

424.6282,  
453.0590, 543.2045

■ 45.9633, 49.7974,  
66.0776

108.0100,  
116.1757, 147.0120

■ 32.4214, 35.2525,  
47.8785

137.0504,  
147.1643, 184.1643

■ 21.8406, 23.8574,  
33.3714

170.8788,  
183.2247, 227.1012

■ 13.8558, 15.2279,  
22.1377

209.8605,  
224.7415, 276.2413

■ 8.1015, 8.9795,  
13.7588

254.3610,  
272.0989, 332.0032

■ 4.2123, 4.7278,  
7.8163

304.7455,

■ 1.8229, 2.0885,

325.6813, 394.8053

3.8915

361.3794,  
385.8732, 465.0662

■ 0.5314, 0.6581,  
1.5660

■ 0.0000, 0.0000,  
0.2664

■ 62.8318, 67.8767,  
88.3872

■ 62.8318, 67.8767,  
88.3872

■ 54.6173, 59.8218,  
87.2665

■ 72.1718, 76.7590,  
89.6105

■ 47.4751, 52.5572,  
86.2407

■ 82.6758, 86.4875,  
90.9346

■ 41.3559, 46.0549,  
85.3082

■ 90.0282, 94.8434,  
92.1600

■ 36.2046, 40.2816,  
84.4653

■ 91.9956, 98.7782,  
92.8158

■ 31.9598, 35.2012,  
83.7084

■ 28.5525, 30.7730,  
83.0333

■ 25.9026, 26.9507,  
82.4352

■ 23.9094, 23.6772,  
81.9084

■ 23.3258, 22.6586,  
81.7425

# Harmonies

## Analogous

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



60.7415, 67.8767, 83.6773



62.8318, 67.8767, 88.3872



65.4277, 67.8767, 89.0713

# Triad

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



62.8318, 67.8767, 88.3872



69.6129, 67.8767, 71.3344



61.2982, 67.8767, 63.4211

# Complementary

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



62.8318, 67.8767, 88.3872



68.0197, 69.2364, 62.0051

# 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.



63.6104, 67.8767, 60.5682



62.8318, 67.8767, 88.3872



68.4412, 67.8767, 64.9270

# Square

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



62.8318, 67.8767, 88.3872



69.3906, 67.8767, 78.8760



66.2275, 67.8767, 61.1001



59.8728, 67.8767, 69.1496



# Rectangle

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



62.8318, 67.8767, 88.3872



67.1021, 67.8767, 87.1060



66.2275, 67.8767, 61.1001



61.9948, 67.8767, 62.1122

# Sweetspot

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



62.8338, 67.8795, 88.3887



88.7666, 94.1671, 108.1053



64.4722, 75.9527, 74.1480



18.8168, 19.9846, 23.1156



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

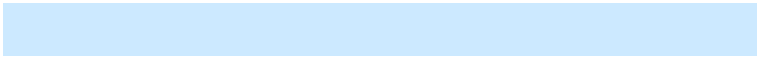


# Same Dimension

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



62.8338, 67.8795, 88.3887



72.0264, 78.2065, 105.9069



58.0933, 58.3986, 86.8086



14.9363, 15.9591, 19.2154



13.1110, 12.8690, 45.5359



1.1250, 1.2014, 3.6075



# Inverse Universe

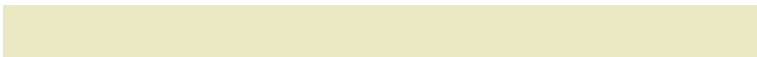
The Inverse Universe completely reimagines the original color for something new.



66.6574, 62.2057, 74.8264



77.5084, 70.3159, 86.4077



73.1953, 79.5876, 63.7303



15.4214, 15.1964, 17.5045



21.4731, 10.7919, 13.5587

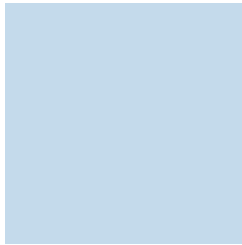


1.7343, 0.8667, 1.3184



# Previews

## White Background



This preview shows how the XYZ color 62.8318, 67.8767, 88.3872 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

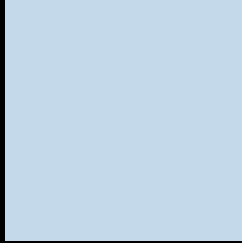
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.8318, 67.8767, 88.3872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

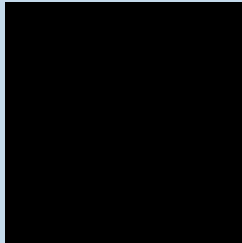
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

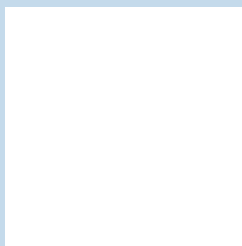
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.8318, 67.8767, 88.3872**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.8318, 67.8767, 88.3872.



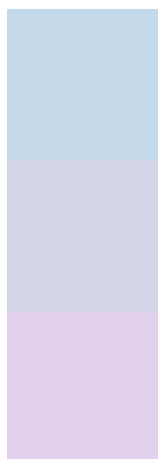
This preview shows how white text looks on a background with the XYZ color 62.8318, 67.8767,



# 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

62.8318, 67.8767, 88.3872

### Protanopia

65.8003, 67.5608, 85.9164

### Deuteranopia

69.1379, 67.7229, 89.5486



## **Tritanopia**

62.8318, 67.8767, 88.3872

# Trichromacy



## Original Color

62.8318, 67.8767, 88.3872

## Protanomaly

64.7405, 67.7495, 86.7556

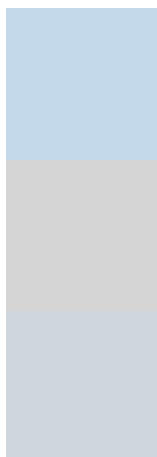
## Deuteranomaly

66.4154, 67.4392, 88.8735

## Tritanomaly

62.8318, 67.8767, 88.3872

# Monochromacy



## Original Color

62.8318, 67.8767, 88.3872

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

63.0837, 67.0867, 78.0308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8318, 67.8767, 88.3872 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(196, 218, 235)` looks like.

```
.text, #text, p{  
    color:rgb(196, 218, 235)  
}
```

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(196, 218, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 218, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8318, 67.8767, 88.3872 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(196, 218, 235) }
```



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

```
.border{ border-color:rgb(196, 218, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 218, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 218, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 218, 235);  
box-shadow:4px 4px 4px 4px rgb(196, 218,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8318, 67.8767, 88.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 218, 235) }
```

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

```
.background{ background-color: rgb(196,  
218, 235) }
```

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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