

# Converting Colors

XYZ(63.7030, 69.7701, 88.4062)

Have a look what the booklet for  
XYZ(63.7030, 69.7701, 88.4062)  
contains.

<b>XYZ(63.8816, 69.9765, 88.7372)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(63.8816, 69.9765,  
88.7372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4DEEB
RGB	196, 222, 235
RGB Percent	77%, 87%, 92%
CMY	0.2314, 0.1294, 0.0784
CMYK	0.17, 0.06, 0.00, 0.08
HSL	200°, 49%, 85%
HSV	200°, 17%, 92%
XYZ	63.8816, 69.9765, 88.7372
YIQ	215.7080, -19.6690, -1.4690

# Conversions

## Conversions Part 2

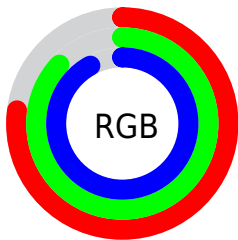
Format	Color
R <sub>Y</sub> B	196, 212, 235
Decimal	12902123
CIE Lab	86.99, -5.93, -9.25
CIE LCh	87, 10.990, 237.359
Yxy	69.9765, 0.2870, 0.3144
Android (android.graphics.Color)	4291092203 (0xFFC4DEEB)
YUV	215.7080, 9.5110, -17.2839
Hunter-Lab	83.6520, -10.0777, -4.3379

# Details

The XYZ color **63.8816, 69.9765, 88.7372** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0257, 67.2484, 61.6734**, and the grayscale version is **65.0202, 68.4063, 74.4945**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.1107, 36.6429, 47.9755** is the 20% darker color. If you saturate the color by 10%, you get **56.2097, 63.0067, 87.7974**, and if you desaturate by 10%, it is **72.6117, 77.6389, 89.7572**.

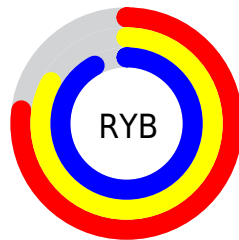
# Distribution



Red (77%)

Green (87%)

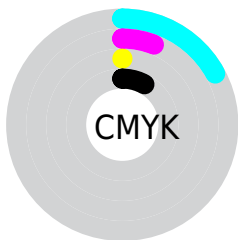
Blue (92%)



Red (77%)

Yellow (83%)

Blue (92%)

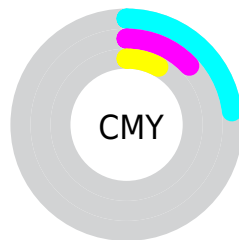


Cyan (17%)

Magenta (6%)

Yellow (0%)

Black (8%)



Cyan (23%)

Magenta (13%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8816, 69.9765, 88.7372 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 63.8816, 69.9765, 88.7372 by changing the saturation by 10% instead.



■ 63.8816, 69.9765,  
88.7372

■ 63.8816, 69.9765,  
88.7372

428.3709,  
460.4675, 544.3781

■ 46.8161, 51.5074,  
66.3660

109.5151,  
119.1752, 147.5032

■ 33.0976, 36.6126,  
48.1112

138.8138,  
150.6736, 184.7351

■ 22.3608, 24.9077,  
33.5543

172.9210,  
187.2839, 227.7575

■ 14.2404, 16.0083,  
22.2768

212.2019,  
229.3905, 276.9892

■ 8.3709, 9.5300,  
13.8602

257.0221,  
277.3778, 332.8485

■ 4.3869, 5.0885,  
7.8859

307.7467,

■ 1.9233, 2.2993,

331.6301, 395.7541

3.9353

364.7412,  
392.5319, 466.1245

■ 0.5903, 0.7733,  
1.5899

■ 0.0000, 0.0000,  
0.2836

■ 63.8816, 69.9765,  
88.7372

■ 63.8816, 69.9765,  
88.7372

■ 56.2097, 63.0067,  
87.7974

■ 72.6117, 77.6389,  
89.7572

■ 49.5440, 56.6953,  
86.9305

■ 82.4365, 86.0092,  
90.8550

■ 43.8374, 51.0179,  
86.1354

■ 89.0393, 92.8657,  
91.8304

■ 39.0361, 45.9447,  
85.4092

■ 91.4655, 97.7180,  
92.6391

■ 35.0807, 41.4431,  
84.7488

■ 91.9956, 98.7782,  
92.8158

■ 31.9042, 37.4765,  
84.1506

■ 29.4284, 34.0023,  
83.6105

■ 27.5546, 30.9676,  
83.1235

■ 26.9996, 30.0061,  
82.9672

# Harmonies

## Analogous

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



62.2191, 69.9765, 82.8809



63.8816, 69.9765, 88.7372



66.2832, 69.9765, 91.2166

# Triad

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



63.8816, 69.9765, 88.7372



71.5682, 69.9765, 76.8462



64.2661, 69.9765, 64.3057

# Complementary

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



63.8816, 69.9765, 88.7372



67.0257, 67.2484, 61.6734

# 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.



66.7384, 69.9765, 62.9160



63.8816, 69.9765, 88.7372



70.9950, 69.9765, 69.8740

# Square

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



63.8816, 69.9765, 88.7372



70.7576, 69.9765, 84.0807



69.2107, 69.9765, 64.8896



62.4370, 69.9765, 68.8138



# Rectangle

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



63.8816, 69.9765, 88.7372



67.9953, 69.9765, 90.5088



69.2107, 69.9765, 64.8896



65.0476, 69.9765, 63.4716

# Sweetspot

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



63.8837, 69.9794, 88.7388



89.1733, 94.9804, 108.2409



63.9028, 75.7250, 71.1501



18.9157, 20.1825, 23.1486



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

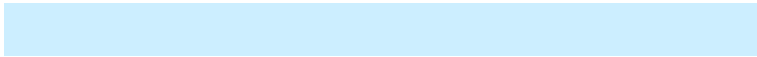


# Same Dimension

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



63.8837, 69.9794, 88.7388



73.5275, 81.2088, 106.4073



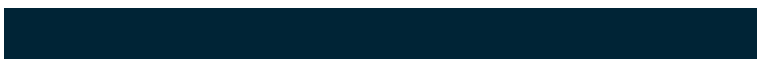
59.1530, 60.5180, 87.1619



15.0703, 16.2270, 19.2601



15.1483, 16.9436, 46.2150



1.2773, 1.5061, 3.6583



# Inverse Universe

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



67.1873, 62.4174, 77.6172



78.2661, 70.6190, 90.3978



71.9281, 77.0533, 63.3076



15.4890, 15.2235, 17.8605



22.5015, 11.2033, 18.9739

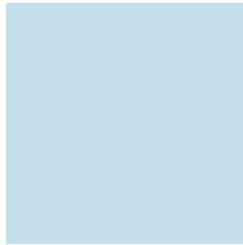


1.8112, 0.8975, 1.7232



# Previews

## White Background



This preview shows how the XYZ color 63.8816, 69.9765, 88.7372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

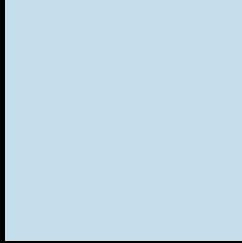
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8816, 69.9765, 88.7372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

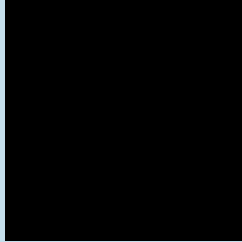
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.8816, 69.9765, 88.7372**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8816, 69.9765, 88.7372.



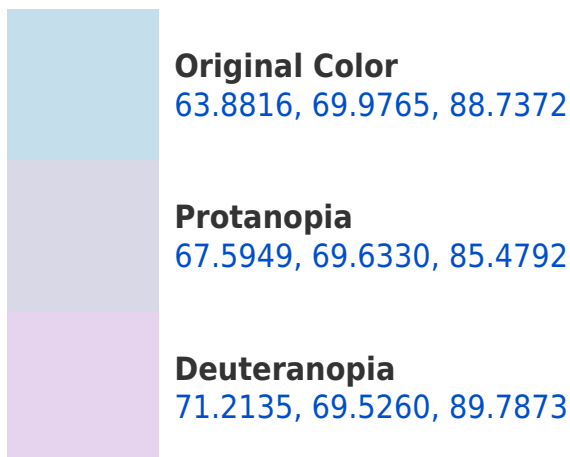
This preview shows how white text looks on a background with the XYZ color 63.8816, 69.9765,



# 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





## Tritanopia

64.4624, 69.8152, 91.7395

# Trichromacy



## Original Color

63.8816, 69.9765, 88.7372

## Protanomaly

65.9314, 69.5243, 86.2885

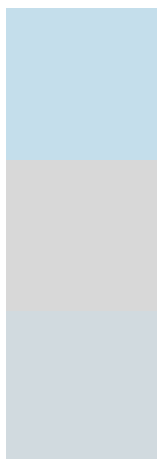
## Deuteranomaly

68.3542, 69.5624, 89.1811

## Tritanomaly

64.3150, 69.7563, 90.9635

# Monochromacy



## Original Color

63.8816, 69.9765, 88.7372

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.6852, 69.0258, 79.7261

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8816, 69.9765, 88.7372 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, 222, 235)` looks like.

```
.text, #text, p{  
    color:rgb(196, 222, 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, 222, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 222, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8816, 69.9765, 88.7372 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, 222, 235) }
```



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

```
.border{ border-color:rgb(196, 222, 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, 222, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(196, 222,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8816, 69.9765, 88.7372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 222, 235) }
```

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

```
.background{ background-color: rgb(196,  
222, 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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