

# Converting Colors

XYZ(60.8475, 67.0392, 72.4377)

Have a look what the booklet for  
XYZ(60.8475, 67.0392, 72.4377)  
contains.

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# Color

**XYZ(60.9011, 67.2263,  
72.7169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8DAD5
RGB	200, 218, 213
RGB Percent	78%, 85%, 84%
CMY	0.2157, 0.1451, 0.1647
CMYK	0.08, 0.00, 0.02, 0.15
HSL	163°, 20%, 82%
HSV	163°, 8%, 85%
XYZ	60.9011, 67.2263, 72.7169
YIQ	212.0480, -9.1230, -5.3710

# Conversions

## Conversions Part 2

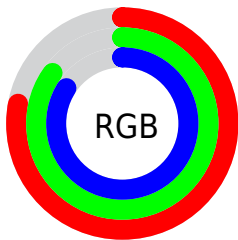
Format	Color
R <sub>Y</sub> B	200, 210, 218
Decimal	13163221
CIE Lab	85.62, -6.95, 0.38
CIE LCh	86, 6.965, 176.834
Yxy	67.2263, 0.3032, 0.3347
Android (android.graphics.Color)	4291353301 (0xFFC8DAD5)
YUV	212.0480, 0.4693, -10.5661
Hunter-Lab	81.9916, -10.9006, 4.8109

# Details

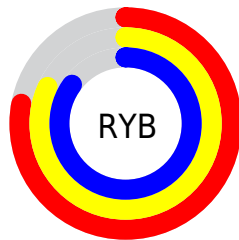
The XYZ color **60.9011, 67.2263, 72.7169** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.5897, 60.6236, 66.2690**, and the grayscale version is **62.6142, 65.8750, 71.7378**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **31.1228, 34.7740, 37.4195** is the 20% darker color. If you saturate the color by 10%, you get **54.7345, 64.1364, 68.4895**, and if you desaturate by 10%, it is **67.9305, 70.7614, 77.1375**.

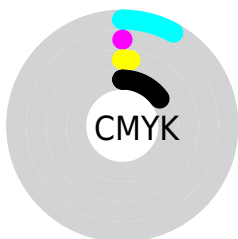
# Distribution



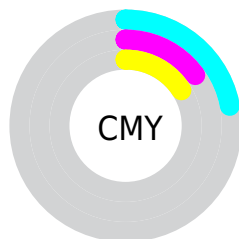
- Red (78%)
- Green (85%)
- Blue (84%)



- Red (78%)
- Yellow (82%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (22%)
- Magenta (15%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.9011, 67.2263, 72.7169 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 60.9011, 67.2263, 72.7169 by changing the saturation by 10% instead.



■ 60.9011, 67.2263,  
72.7169

■ 60.9011, 67.2263,  
72.7169

417.6930,  
450.7499, 489.0775

■ 44.3976, 49.2686,  
53.2541

105.2346,  
115.2446, 124.7924

■ 31.1825, 34.8326,  
37.6165

133.7954,  
146.0740, 158.2422

■ 20.8903, 23.5339,  
25.3857

167.1059,  
181.9627, 197.1914

■ 13.1559, 14.9882,  
16.1430

205.5316,  
223.2951, 242.0586

■ 7.6137, 8.8111,  
9.4700

249.4378,  
270.4556, 293.2622

■ 3.8985, 4.6182,  
4.9480

299.1899,

■ 1.6449, 2.0250,

323.8287, 351.2209

2.1586

355.1532,  
383.7986, 416.3531

■ 0.4214, 0.6220,  
0.6503

■ 0.0000, 0.0000,  
0.0000

■ 60.9011, 67.2263,  
72.7169

■ 60.9011, 67.2263,  
72.7169

■ 54.7345, 64.1364,  
68.4895

■ 67.9305, 70.7614,  
77.1375

■ 49.3896, 61.4649,  
64.4476

■ 75.8501, 74.7502,  
81.7499

■ 44.8307, 59.1954,  
60.5892

■ 80.7616, 77.1849,  
86.3747

■ 41.0170, 57.3068,  
56.9108

■ 81.6334, 77.5336,  
90.9651

■ 37.9038, 55.7762,  
53.4085

■ 82.5350, 77.8943,  
95.7131

■ 35.4419, 54.5782,  
50.0783

■ 83.4669, 78.2670,  
100.6203

■ 33.5751, 53.6839,  
46.9160

■ 84.3627, 78.6254,  
105.3376

■ 32.2374, 53.0593,  
43.9164

■ 31.3325, 52.6548,  
41.0734

# Harmonies

## Analogous

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



61.3788, 67.2263, 68.5253



60.9011, 67.2263, 72.7169



61.2150, 67.2263, 77.2098

# Triad

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



60.9011, 67.2263, 72.7169



65.2825, 67.2263, 81.2674



65.5787, 67.2263, 66.1309

# Complementary

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



60.9011, 67.2263, 72.7169



60.5897, 60.6236, 66.2690

# 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.



66.6553, 67.2263, 69.3276



60.9011, 67.2263, 72.7169



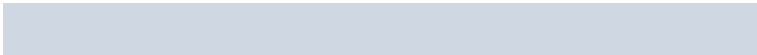
66.4823, 67.2263, 78.0785

# Square

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



60.9011, 67.2263, 72.7169



63.7284, 67.2263, 82.2651



66.9887, 67.2263, 73.6812



64.0651, 67.2263, 64.8229



# Rectangle

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



60.9011, 67.2263, 72.7169



61.8339, 67.2263, 79.7517



66.9887, 67.2263, 73.6812



66.0047, 67.2263, 67.0136

# Sweetspot

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



60.9030, 67.2291, 72.7184



92.9711, 98.9546, 107.6159



60.7034, 67.3093, 64.4373



19.9214, 21.1913, 23.0478



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

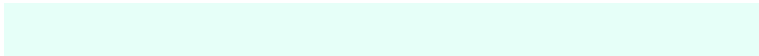


# Same Dimension

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



60.9030, 67.2291, 72.7184



85.1627, 95.0323, 102.5907



60.5484, 65.4877, 75.7822



13.2825, 14.7646, 15.9503



18.7354, 31.5268, 24.5699



1.2496, 2.0568, 1.7805



# Inverse Universe

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



60.5897, 60.6236, 66.2690



84.6236, 83.6660, 91.4937



60.9101, 62.2158, 63.4432



13.2040, 13.1107, 14.3356



17.8596, 9.1449, 3.6409

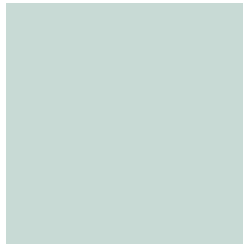


1.1933, 0.6070, 0.4268



# Previews

## White Background



This preview shows how the XYZ color 60.9011, 67.2263, 72.7169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

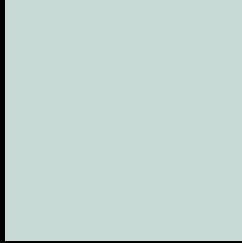
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.9011, 67.2263, 72.7169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

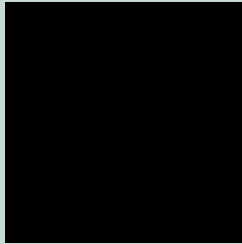
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

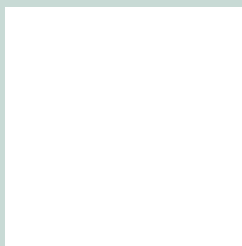
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.9011, 67.2263, 72.7169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.9011, 67.2263, 72.7169.



This preview shows how white text looks on a background with the XYZ color 60.9011, 67.2263,



# 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

60.9011, 67.2263, 72.7169

### Protanopia

64.3406, 67.1471, 70.5423

### Deuteranopia

68.5102, 67.0244, 73.6161



## Tritanopia

63.4945, 67.1236, 85.9536

# Trichromacy



## Original Color

60.9011, 67.2263, 72.7169

## Protanomaly

62.9223, 67.1529, 71.2735

## Deuteranomaly

65.5561, 66.9732, 73.0903

## Tritanomaly

62.5036, 67.1045, 80.8923

# Monochromacy



## Original Color

60.9011, 67.2263, 72.7169

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.9427, 66.2565, 71.8114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.9011, 67.2263, 72.7169 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(200, 218, 213) looks like.

```
.text, #text, p{  
    color:rgb(200, 218, 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(200, 218, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 218, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 60.9011, 67.2263, 72.7169 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(200, 218, 213) }
```



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

```
.border{ border-color:rgb(200, 218, 213) }
```

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

Here you see how a box with a 4 pixel rgb(200, 218, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 218, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 218, 213);  
box-shadow:4px 4px 4px 4px rgb(200, 218,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.9011, 67.2263, 72.7169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 218, 213) }
```

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

```
.background{ background-color: rgb(200,  
218, 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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