

# Converting Colors

XYZ(56.6531, 59.9319, 62.1895)

Have a look what the booklet for  
XYZ(56.6531, 59.9319, 62.1895)  
contains.

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# Color

**XYZ(56.6877, 60.1003,  
62.0388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCCCCC6
RGB	204, 204, 198
RGB Percent	80%, 80%, 78%
CMY	0.2000, 0.2000, 0.2235
CMYK	0.00, 0.00, 0.03, 0.20
HSL	60°, 6%, 79%
HSV	60°, 3%, 80%
XYZ	56.6877, 60.1003, 62.0388
YIQ	203.3160, 1.9260, -1.8660

# Conversions

## Conversions Part 2

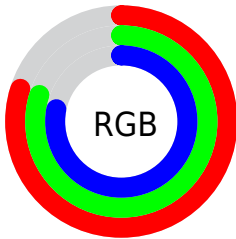
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 204, 198
Decimal	13421766
CIE Lab	81.89, -1.08, 2.98
CIE LCh	82, 3.164, 109.879
Yxy	60.1003, 0.3170, 0.3361
Android (android.graphics.Color)	4291611846 (0xFFCCCCC6)
YUV	203.3160, -2.6208, 0.5999
Hunter-Lab	77.5244, -5.1442, 6.8203

# Details

The XYZ color **56.6877, 60.1003, 62.0388** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.3842, 56.7552, 65.2184**, and the grayscale version is **56.9798, 59.9472, 65.2825**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **28.5181, 30.3103, 30.7330** is the 20% darker color. If you saturate the color by 10%, you get **54.4884, 59.2221, 50.4689**, and if you desaturate by 10%, it is **59.2074, 61.1105, 75.2807**.

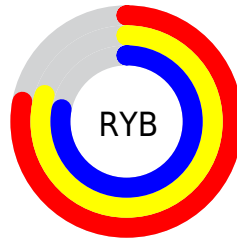
# Distribution



Red (80%)

Green (80%)

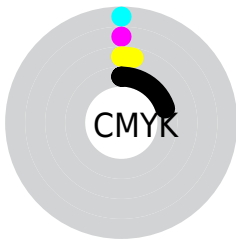
Blue (78%)



Red (78%)

Yellow (80%)

Blue (78%)

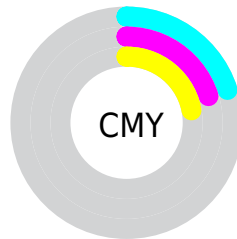


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6877, 60.1003, 62.0388 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 56.6877, 60.1003, 62.0388 by changing the saturation by 10% instead.



■ 56.6877, 60.1003,  
62.0388

■ 56.6877, 60.1003,  
62.0388

402.3112,  
424.9674, 450.0842

■ 40.9937, 43.4995,  
44.6281

99.1433, 104.9752,  
109.3537

■ 28.5018, 30.2772,  
30.8238

126.6357,  
134.0180, 140.0950

■ 18.8467, 20.0491,  
20.2073

158.7916,  
167.9769, 176.1169

■ 11.6629, 12.4307,  
12.3603

195.9764,  
207.2364, 217.8379

■ 6.5851, 7.0377,  
6.8640

238.5554,  
252.1808, 265.6766

■ 3.2480, 3.4857,  
3.3001

286.8939,

■ 1.2862, 1.3903,

303.1945, 320.0515

1.2498

341.3574,  
360.6619, 381.3812

■ 0.1729, 0.2095,  
0.0201

■ 0.0000, 0.0000,  
0.0000

■ 56.6877, 60.1003,  
62.0388

■ 56.6877, 60.1003,  
62.0388

■ 54.4884, 59.2221,  
50.4689

■ 59.2074, 61.1105,  
75.2807

■ 52.5918, 58.4630,  
40.5007

■ 62.0543, 62.2497,  
90.2532

■ 50.9862, 57.8204,  
32.0649

■ 64.5571, 63.2513,  
103.4139

■ 49.6572, 57.2884,  
25.0856

■ 64.5608, 63.2531,  
103.4141

■ 48.5892, 56.8607,  
19.4804

■ 64.5644, 63.2550,  
103.4143

■ 47.7649, 56.5306,  
15.1585

■ 64.5681, 63.2569,  
103.4144

■ 47.1650, 56.2902,  
12.0186

■ 64.5718, 63.2588,  
103.4146

■ 46.7673, 56.1307,  
9.9438

■ 64.5754, 63.2607,  
103.4148

■ 46.5453, 56.0415,  
8.7936

■ 64.5791, 63.2626,  
103.4150

# Harmonies

## Analogous

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



57.3496, 60.1003, 61.8826



56.6877, 60.1003, 62.0388



56.1465, 60.1003, 63.0960

# Triad

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



56.6877, 60.1003, 62.0388



56.2995, 60.1003, 68.2937



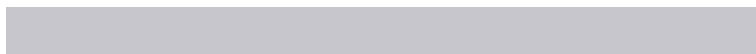
58.3979, 60.1003, 66.0878

# Complementary

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



56.6877, 60.1003, 62.0388



54.3842, 56.7552, 65.2184

# 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.



58.1118, 60.1003, 67.8393



56.6877, 60.1003, 62.0388



56.8980, 60.1003, 69.1292

# Square

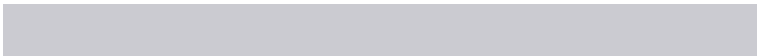
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.6877, 60.1003, 62.0388



55.9236, 60.1003, 66.6984



57.5616, 60.1003, 68.9612



58.3405, 60.1003, 64.1956



# Rectangle

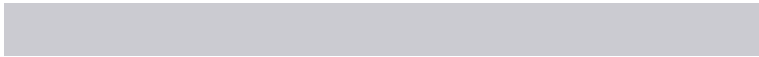
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.6877, 60.1003, 62.0388



55.9254, 60.1003, 64.1812



57.5616, 60.1003, 68.9612



58.3386, 60.1003, 66.7132

# Sweetspot

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



56.6894, 60.1029, 62.0401



94.6415, 99.8365, 106.7520



55.2908, 57.3042, 61.5736



20.2615, 21.3708, 22.8720



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

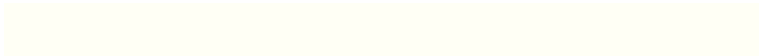


# Same Dimension

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



56.6894, 60.1029, 62.0401



93.4485, 99.3591, 100.4792



55.8755, 59.6833, 62.0020



12.3835, 13.1885, 13.1778



29.2417, 35.2500, 5.2627

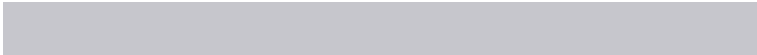


1.5088, 1.8186, 0.2715



# Inverse Universe

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



54.3842, 56.7552, 65.2184



88.2307, 91.7816, 107.6731



55.1823, 57.1666, 65.2557



11.5832, 12.0263, 14.2812



6.8614, 2.7447, 36.1244

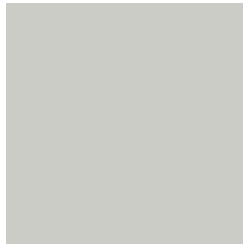


0.3542, 0.1417, 1.8636



# Previews

## White Background



This preview shows how the XYZ color 56.6877, 60.1003, 62.0388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

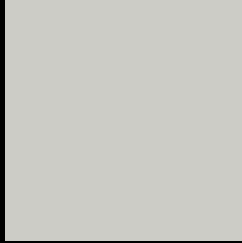
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6877, 60.1003, 62.0388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

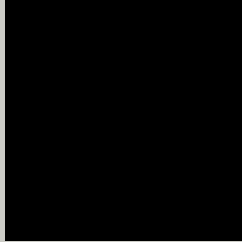
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

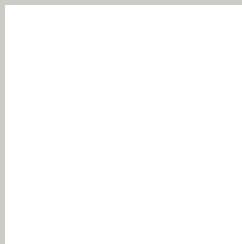
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.6877, 60.1003, 62.0388**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.6877, 60.1003, 62.0388.



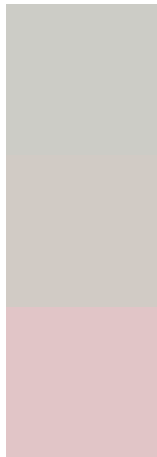
This preview shows how white text looks on a background with the XYZ color 56.6877, 60.1003,



# 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

56.6877, 60.1003, 62.0388

### Protanopia

57.7285, 60.2984, 61.4195

### Deuteranopia

61.3264, 60.0636, 62.3940



## Tritanopia

59.1432, 60.0484, 74.1190

# Trichromacy



## Original Color

56.6877, 60.1003, 62.0388

## Protanomaly

57.1661, 60.0085, 61.3931

## Deuteranomaly

59.5784, 60.1838, 62.5093

## Tritanomaly

58.2070, 60.0160, 69.4892

# Monochromacy



## Original Color

56.6877, 60.1003, 62.0388

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.5272, 59.6254, 63.7879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6877, 60.1003, 62.0388 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(204, 204, 198) looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 198)  
}
```

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(204, 204, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6877, 60.1003, 62.0388 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(204, 204, 198) }
```



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

```
.border{ border-color:rgb(204, 204, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 204, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 204, 198); box-shadow:4px 4px 4px 4px rgb(204, 204, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6877, 60.1003, 62.0388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 198) }
```

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

```
.background{ background-color: rgb(204,  
204, 198) }
```

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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