

# Converting Colors

XYZ(59.9823, 61.5862, 63.6791)

Have a look what the booklet for  
XYZ(59.9823, 61.5862, 63.6791)  
contains.

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# Color

**XYZ(59.9229, 61.3760,  
63.9468)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7CBC9
RGB	215, 203, 201
RGB Percent	84%, 80%, 79%
CMY	0.1569, 0.2039, 0.2118
CMYK	0.00, 0.06, 0.07, 0.16
HSL	9°, 15%, 82%
HSV	9°, 7%, 84%
XYZ	59.9229, 61.3760, 63.9468
YIQ	206.3600, 7.7940, 1.9220

# Conversions

## Conversions Part 2

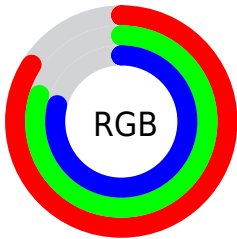
Format	Color
R <sub>Y</sub> B	215, 203, 201
Decimal	14142409
CIE Lab	82.58, 3.82, 2.48
CIE LCh	83, 4.552, 32.988
Yxy	61.3760, 0.3235, 0.3313
Android (android.graphics.Color)	4292332489 (0xFFD7CBC9)
YUV	206.3600, -2.6425, 7.5773
Hunter-Lab	78.3428, -0.5688, 6.4449

# Details

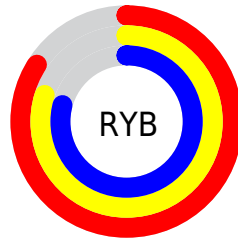
The XYZ color **59.9229, 61.3760, 63.9468** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.1473, 64.9113, 73.6498**, and the grayscale version is **58.9112, 61.9792, 67.4954**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.5111, 31.0751, 31.9937** is the 20% darker color. If you saturate the color by 10%, you get **53.4739, 52.2457, 50.1802**, and if you desaturate by 10%, it is **67.2464, 71.6873, 79.7530**.

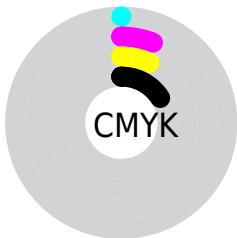
# Distribution



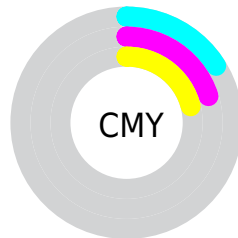
- Red (84%)
- Green (80%)
- Blue (79%)



- Red (84%)
- Yellow (80%)
- Blue (79%)



- Cyan (0%)
- Magenta (6%)
- Yellow (7%)
- Black (16%)



- Cyan (16%)
- Magenta (20%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9229, 61.3760, 63.9468 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 59.9229, 61.3760, 63.9468 by changing the saturation by 10% instead.



■ 59.9229, 61.3760,  
63.9468

■ 59.9229, 61.3760,  
63.9468

414.1528,  
429.6513, 457.1997

■ 43.6057, 44.5287,  
46.1617

103.8248,  
106.8232, 112.1330

■ 30.5572, 31.0864,  
32.0238

132.1402,  
136.1918, 143.3713

■ 20.4121, 20.6646,  
21.1147

165.1858,  
170.5030, 179.9309

■ 12.8050, 12.8791,  
13.0158

203.3268,  
210.1412, 222.2305

■ 7.3704, 7.3453,  
7.3086

246.9287,  
255.4907, 270.6887

■ 3.7432, 3.6790,  
3.5745

296.3567,

■ 1.5579, 1.4957,

306.9359, 325.7239

1.3949

351.9763,  
364.8613, 387.7547

■ 0.3647, 0.2857,  
0.1378

■ 0.0000, 0.0000,  
0.0000

■ 59.9229, 61.3760,  
63.9468

■ 59.9229, 61.3760,  
63.9468

■ 53.4739, 52.2457,  
50.1802

■ 67.2464, 71.6873,  
79.7530

■ 47.8616, 44.2464,  
38.3661

■ 75.4703, 83.2114,  
97.6730

■ 43.0529, 37.3364,  
28.4172

■ 81.8347, 93.1873,  
108.2815

■ 39.0109, 31.4684,  
20.2378

■ 35.6953, 26.5915,  
13.7239

■ 33.0622, 22.6508,  
8.7605

■ 31.0631, 19.5855,  
5.2177

■ 29.6424, 17.3278,  
2.9447

■ 28.7336, 15.7993,  
1.7505

# Harmonies

## Analogous

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



60.2286, 61.3760, 66.5485



59.9229, 61.3760, 63.9468



59.1917, 61.3760, 62.1573

# Triad

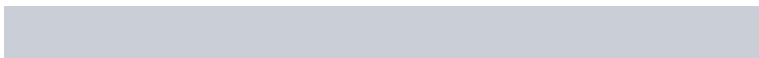
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.9229, 61.3760, 63.9468



56.6815, 61.3760, 64.4188



58.4339, 61.3760, 72.3352

# Complementary

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



59.9229, 61.3760, 63.9468



60.1473, 64.9113, 73.6498

# 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.



57.4886, 61.3760, 71.7271



59.9229, 61.3760, 63.9468



56.4836, 61.3760, 67.1084

# Square

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



59.9229, 61.3760, 63.9468



57.3211, 61.3760, 62.4244



56.7775, 61.3760, 69.7945



59.3629, 61.3760, 71.4340



# Rectangle

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



59.9229, 61.3760, 63.9468



58.5652, 61.3760, 61.6389



56.7775, 61.3760, 69.7945



58.1075, 61.3760, 72.3005

# Sweetspot

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



59.9246, 61.3787, 63.9481



92.8613, 96.9192, 104.1733



60.9390, 61.0321, 71.6089



19.8991, 20.7770, 22.3469



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

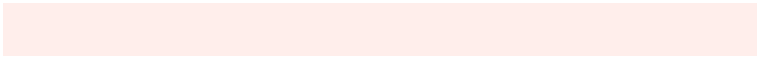


# Same Dimension

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



59.9246, 61.3787, 63.9481



86.6126, 88.1049, 90.7356



61.5815, 64.6924, 64.5004



12.5652, 12.7047, 12.9507



17.0980, 9.3132, 0.8965



1.0783, 0.6559, 0.0698

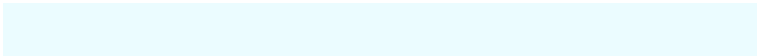


# Inverse Universe

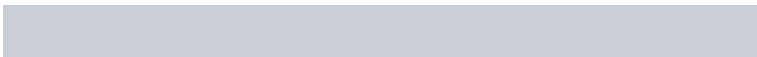
The Inverse Universe completely reimagines the original color for something new.



60.1473, 64.9113, 73.6498



87.0146, 94.4853, 108.2591



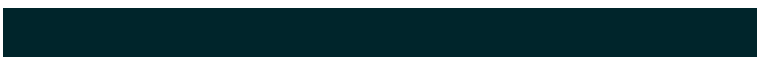
58.4574, 61.5315, 73.0865



12.6337, 13.7907, 15.9335



17.6765, 23.6148, 42.0796

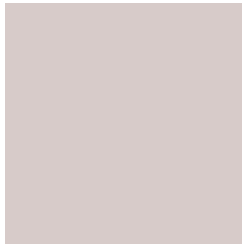


1.1086, 1.5092, 2.5522



# Previews

## White Background



This preview shows how the XYZ color 59.9229, 61.3760, 63.9468 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 59.9229, 61.3760, 63.9468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

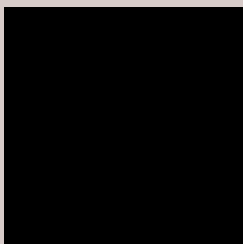
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

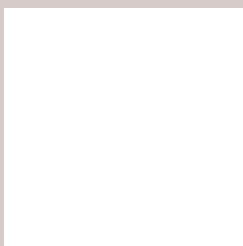
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.9229, 61.3760, 63.9468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9229, 61.3760, 63.9468.



This preview shows how white text looks on a background with the XYZ color 59.9229, 61.3760,



# 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

59.9229, 61.3760, 63.9468

### Protanopia

59.0703, 61.6285, 64.6593

### Deuteranopia

62.7626, 61.4420, 64.4287



## Tritanopia

61.8966, 61.4829, 73.5708

# Trichromacy



## Original Color

59.9229, 61.3760, 63.9468

## Protanomaly

59.4049, 61.4470, 64.6066

## Deuteranomaly

61.7464, 61.2608, 64.4472

## Tritanomaly

61.1973, 61.5431, 70.2816

# Monochromacy



## Original Color

59.9229, 61.3760, 63.9468

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

59.0249, 61.5776, 65.9015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9229, 61.3760, 63.9468 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(215, 203, 201) looks like.

```
.text, #text, p{  
    color:rgb(215, 203, 201)  
}
```

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(215, 203, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 203, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9229, 61.3760, 63.9468 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(215, 203, 201) }
```



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

```
.border{ border-color:rgb(215, 203, 201) }
```

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

Here you see how a box with a 4 pixel rgb(215, 203, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 203, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 203, 201);  
box-shadow:4px 4px 4px 4px rgb(215, 203,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9229, 61.3760, 63.9468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 203, 201) }
```

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

```
.background{ background-color: rgb(215,  
203, 201) }
```

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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