

# Converting Colors

XYZ(59.8090, 61.5217, 62.3247)

Have a look what the booklet for  
XYZ(59.8090, 61.5217, 62.3247)  
contains.

<b>XYZ(59.5733, 61.2362, 62.1060)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(59.5733, 61.2362,  
62.1060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7CBC6
RGB	215, 203, 198
RGB Percent	84%, 80%, 78%
CMY	0.1569, 0.2039, 0.2235
CMYK	0.00, 0.06, 0.08, 0.16
HSL	18°, 18%, 81%
HSV	18°, 8%, 84%
XYZ	59.5733, 61.2362, 62.1060
YIQ	206.0180, 8.7570, 0.9890

# Conversions

## Conversions Part 2

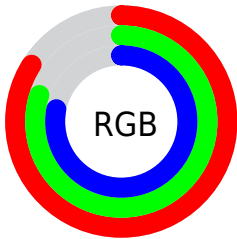
Format	Color
R <sub>Y</sub> B	215, 205, 198
Decimal	14142406
CIE Lab	82.51, 3.31, 3.97
CIE LCh	83, 5.168, 50.231
Yxy	61.2362, 0.3257, 0.3348
Android (android.graphics.Color)	4292332486 (0xFFD7CBC6)
YUV	206.0180, -3.9529, 7.8772
Hunter-Lab	78.2536, -1.0543, 7.7219

# Details

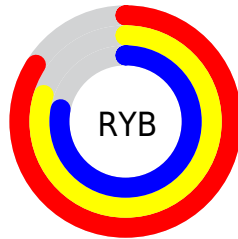
The XYZ color **59.5733, 61.2362, 62.1060** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.6008, 63.0040, 73.3630**, and the grayscale version is **58.6998, 61.7567, 67.2531**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.2787, 30.9821, 30.7698** is the 20% darker color. If you saturate the color by 10%, you get **53.8585, 53.4972, 48.8222**, and if you desaturate by 10%, it is **65.9942, 69.8227, 77.3634**.

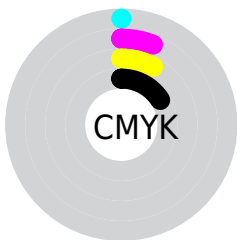
# Distribution



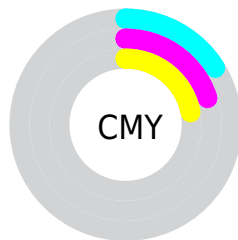
- Red (84%)
- Green (80%)
- Blue (78%)



- Red (84%)
- Yellow (80%)
- Blue (78%)



- Cyan (0%)
- Magenta (6%)
- Yellow (8%)
- Black (16%)



- Cyan (16%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5733, 61.2362, 62.1060 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 59.5733, 61.2362, 62.1060 by changing the saturation by 10% instead.



■ 59.5733, 61.2362,  
62.1060

■ 59.5733, 61.2362,  
62.1060

412.8832,  
429.1395, 450.3360

■ 43.3229, 44.4158,  
44.6820

103.3203,  
106.6209, 109.4518

■ 30.3342, 30.9975,  
30.8659

131.5477,  
135.9539, 140.2107

■ 20.2417, 20.5970,  
20.2392

164.4981,  
170.2267, 176.2516

■ 12.6802, 12.8297,  
12.3832

202.5369,  
209.8235, 217.9932

■ 7.2842, 7.3114,  
6.8795

246.0294,  
255.1288, 265.8538

■ 3.6883, 3.6576,  
3.3096

295.3411,

■ 1.5274, 1.4839,

306.5270, 320.2521

1.2548

350.8372,  
364.4024, 381.6067

■ 0.3443, 0.2774,  
0.0243

■ 0.0000, 0.0000,  
0.0000

■ 59.5733, 61.2362,  
62.1060

■ 59.5733, 61.2362,  
62.1060

■ 53.8585, 53.4972,  
48.8222

■ 65.9942, 69.8227,  
77.3634

■ 48.8200, 46.5716,  
37.4270

■ 73.1396, 79.2734,  
94.6668

■ 44.4332, 40.4350,  
27.8351

■ 79.8020, 89.1220,  
107.6040

■ 40.6699, 35.0583,  
19.9529

■ 81.8346, 93.1872,  
108.2815

■ 37.5000, 30.4110,  
13.6785

■ 34.8904, 26.4601,  
8.8988

■ 32.8046, 23.1699,  
5.4859

■ 31.2008, 20.5013,  
3.2900

■ 30.0246, 18.4077,  
2.0998

# Harmonies

## Analogous

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



60.2202, 61.2362, 64.5931



59.5733, 61.2362, 62.1060



58.5645, 61.2362, 60.8555

# Triad

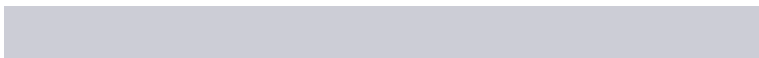
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.5733, 61.2362, 62.1060



56.1337, 61.2362, 65.6484



58.9412, 61.2362, 72.5515

# Complementary

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



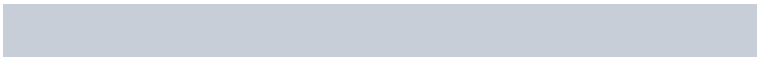
59.5733, 61.2362, 62.1060



58.6008, 63.0040, 73.3630

# 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.



57.8433, 61.2362, 72.8559



59.5733, 61.2362, 62.1060



56.2317, 61.2362, 68.8029

# Square

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



59.5733, 61.2362, 62.1060



56.5849, 61.2362, 62.8576



56.8542, 61.2362, 71.4645



59.8521, 61.2362, 70.6456



# Rectangle

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



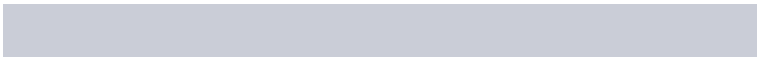
59.5733, 61.2362, 62.1060



57.8265, 61.2362, 60.8635



56.8542, 61.2362, 71.4645



58.5815, 61.2362, 72.8468

# Sweetspot

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



59.5750, 61.2389, 62.1073



93.1023, 97.4012, 104.2536



59.8749, 59.4984, 69.4219



19.9482, 20.8752, 22.3632



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

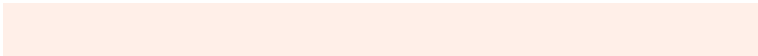


# Same Dimension

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



59.5750, 61.2389, 62.1073



86.6222, 88.7082, 88.9381



61.5911, 65.2710, 62.7793



12.7182, 13.0106, 13.0017



17.9150, 10.9472, 1.1688



1.1519, 0.8029, 0.0943

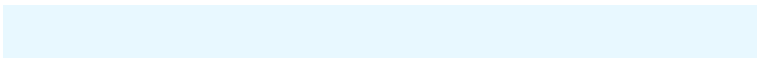


# Inverse Universe

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



58.6008, 63.0040, 73.3630



84.9876, 91.6695, 107.8224



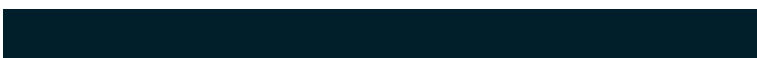
56.6016, 59.0055, 72.6966



12.4691, 13.4617, 15.8787



14.1204, 16.5025, 40.8942

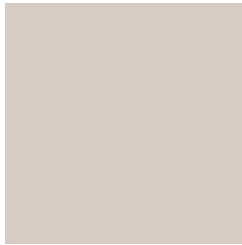


0.9218, 1.1357, 2.4899



# Previews

## White Background



This preview shows how the XYZ color 59.5733, 61.2362, 62.1060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

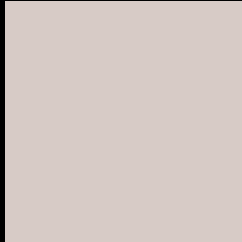
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5733, 61.2362, 62.1060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

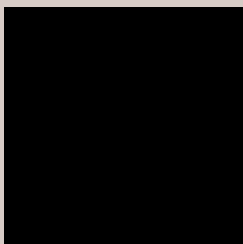
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

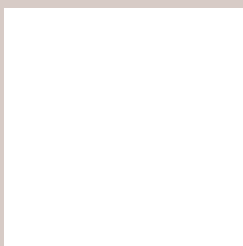
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.5733, 61.2362, 62.1060**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.5733, 61.2362, 62.1060.



This preview shows how white text looks on a background with the XYZ color 59.5733, 61.2362,



# 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

59.5733, 61.2362, 62.1060

### Protanopia

58.4800, 61.0109, 62.7269

### Deuteranopia

62.4108, 61.3013, 62.5758



## Tritanopia

61.9624, 61.1718, 73.5073

# Trichromacy



## Original Color

59.5733, 61.2362, 62.1060

## Protanomaly

59.0530, 61.3063, 62.7537

## Deuteranomaly

61.3945, 61.1200, 62.5943

## Tritanomaly

61.0105, 61.1285, 68.9050

# Monochromacy



## Original Color

59.5733, 61.2362, 62.1060

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.9053, 61.5297, 65.2717

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5733, 61.2362, 62.1060 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, 198) looks like.

```
.text, #text, p{  
    color:rgb(215, 203, 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(215, 203, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 203, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5733, 61.2362, 62.1060 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, 198) }
```



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

```
.border{ border-color:rgb(215, 203, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 203, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 203, 198);  
box-shadow:4px 4px 4px 4px rgb(215, 203,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5733, 61.2362, 62.1060 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, 198) }
```

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

```
.background{ background-color: rgb(215,  
203, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor