

# Converting Colors

XYZ(59.5723, 61.4386, 65.7207)

Have a look what the booklet for  
XYZ(59.5723, 61.4386, 65.7207)  
contains.

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# Color

**XYZ(59.6433, 61.5424,  
65.8621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4CCCC
RGB	212, 204, 204
RGB Percent	83%, 80%, 80%
CMY	0.1686, 0.2000, 0.2000
CMYK	0.00, 0.04, 0.04, 0.17
HSL	0°, 9%, 82%
HSV	0°, 4%, 83%
XYZ	59.6433, 61.5424, 65.8621
YIQ	206.3920, 4.7680, 1.6960

# Conversions

## Conversions Part 2

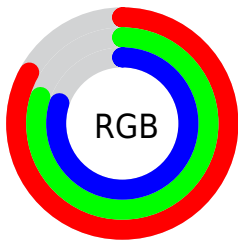
Format	Color
RYB	212, 204, 204
Decimal	13946060
CIELab	82.67, 2.77, 0.98
CIELCh	83, 2.934, 19.436
Yxy	61.5424, 0.3189, 0.3290
Android (android.graphics.Color)	4292136140 (0xFFD4CCCC)
YUV	206.3920, -1.1793, 4.9182
Hunter-Lab	78.4490, -1.5754, 5.1371

# Details

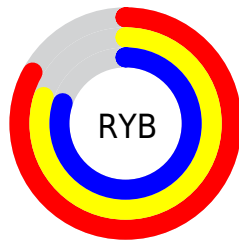
The XYZ color **59.6433, 61.5424, 65.8621** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.3289, 64.6768, 71.5923**, and the grayscale version is **58.9240, 61.9927, 67.5100**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.3160, 31.1828, 33.2752** is the 20% darker color. If you saturate the color by 10%, you get **52.5735, 51.1984, 51.8028**, and if you desaturate by 10%, it is **67.7480, 73.4007, 81.9755**.

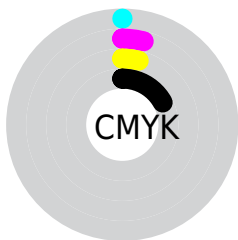
# Distribution



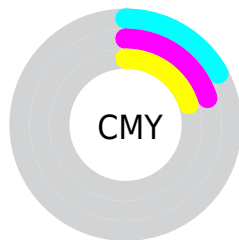
- Red (83%)
- Green (80%)
- Blue (80%)



- Red (83%)
- Yellow (80%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (4%)
- Black (17%)



- Cyan (17%)
- Magenta (20%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6433, 61.5424, 65.8621 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 59.6433, 61.5424, 65.8621 by changing the saturation by 10% instead.



■ 59.6433, 61.5424,  
65.8621

■ 59.6433, 61.5424,  
65.8621

413.1376,  
430.2600, 464.2743

■ 43.3795, 44.6631,  
47.7047

103.4213,  
107.0639, 114.9135

■ 30.3788, 31.1921,  
33.2348

131.6664,  
136.4748, 146.6446

■ 20.2758, 20.7452,  
22.0338

164.6358,  
170.8318, 183.7373

■ 12.7051, 12.9379,  
13.6832

202.6951,  
210.5191, 226.6102

■ 7.3014, 7.3858,  
7.7644

246.2096,  
255.9211, 275.6818

■ 3.6993, 3.7045,  
3.8590

295.5446,

■ 1.5335, 1.5097,

307.4224, 331.3706

1.5483

351.0655,  
365.4072, 394.0953

■ 0.3484, 0.2955,  
0.2535

■ 0.0000, 0.0000,  
0.0000

■ 59.6433, 61.5424,  
65.8621

■ 59.6433, 61.5424,  
65.8621

■ 52.5735, 51.1984,  
51.8028

■ 67.7480, 73.4007,  
81.9755

■ 46.4921, 42.3001,  
39.7112

■ 76.9214, 86.8225,  
100.2166

■ 41.3565, 34.7856,  
29.5009

■ 80.9617, 92.7372,  
108.2407

■ 37.1193, 28.5855,  
21.0773

■ 33.7289, 23.6242,  
14.3377

■ 31.1284, 19.8187,  
9.1691

■ 29.2541, 17.0754,  
5.4444

■ 28.0321, 15.2868,  
3.0170

■ 27.3733, 14.3221,  
1.7093

# Harmonies

## Analogous

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



59.6924, 61.5424, 67.6469



59.6433, 61.5424, 65.8621



59.2850, 61.5424, 64.4096

# Triad

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



59.6433, 61.5424, 65.8621



57.5793, 61.5424, 64.7797



58.2725, 61.5424, 70.4757

# Complementary

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



59.6433, 61.5424, 65.8621



60.3289, 64.6768, 71.5923

# 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.



57.7105, 61.5424, 69.6778



59.6433, 61.5424, 65.8621



57.3121, 61.5424, 66.3756

# Square

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



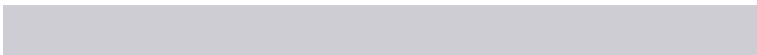
59.6433, 61.5424, 65.8621



58.0923, 61.5424, 63.7925



57.3600, 61.5424, 68.1696



58.8980, 61.5424, 70.3323



# Rectangle

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



59.6433, 61.5424, 65.8621



58.9205, 61.5424, 63.8151



57.3600, 61.5424, 68.1696



58.0700, 61.5424, 70.3082

# Sweetspot

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



59.6450, 61.5451, 65.8634



93.8344, 98.2214, 106.4828



60.6287, 61.9372, 71.0477



20.0972, 21.0422, 22.8172



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

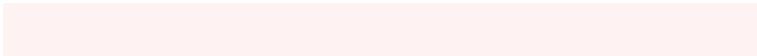


# Same Dimension

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



59.6450, 61.5451, 65.8634



89.1329, 91.3425, 97.1344



60.6072, 63.4693, 66.1841



13.0308, 13.3099, 14.1106



16.7628, 8.6428, 0.7847



1.0112, 0.5216, 0.0474



# Inverse Universe

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



60.3289, 64.6768, 71.5923



90.5120, 97.6578, 108.6871



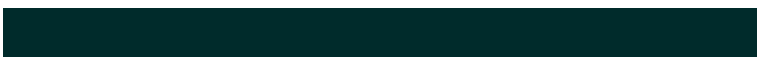
59.3422, 62.7035, 71.2634



13.2573, 14.3472, 16.0081



21.8565, 31.9747, 43.4729

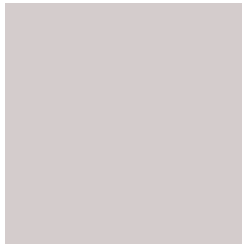


1.3184, 1.9289, 2.6221



# Previews

## White Background



This preview shows how the XYZ color 59.6433, 61.5424, 65.8621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

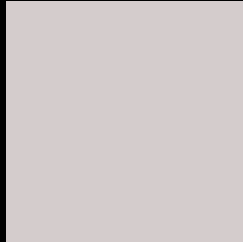
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.6433, 61.5424, 65.8621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

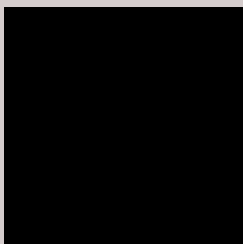
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

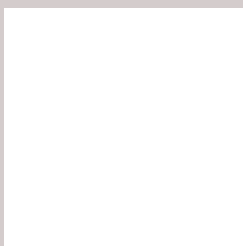
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.6433, 61.5424, 65.8621

## Background



This preview shows how black text looks on a background with the XYZ color 59.6433, 61.5424, 65.8621.



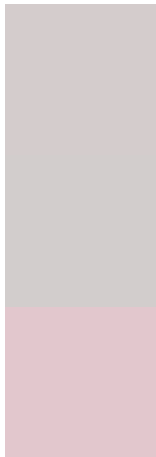
This preview shows how white text looks on a background with the XYZ color 59.6433, 61.5424,



# 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

59.6433, 61.5424, 65.8621

### Protanopia

59.3087, 61.7239, 65.9147

### Deuteranopia

62.8069, 61.4234, 66.3032



## Tritanopia

61.5070, 61.5992, 74.9777

# Trichromacy



## Original Color

59.6433, 61.5424, 65.8621

## Protanomaly

59.5944, 61.8712, 65.9281

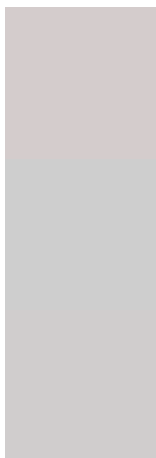
## Deuteranomaly

61.7249, 61.5532, 66.3853

## Tritanomaly

60.8067, 61.6621, 71.6479

# Monochromacy



## Original Color

59.6433, 61.5424, 65.8621

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.8632, 61.4803, 66.5221

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.6433, 61.5424, 65.8621 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(212, 204, 204) looks like.

```
.text, #text, p{  
    color:rgb(212, 204, 204)  
}
```

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(212, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 204, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 59.6433, 61.5424, 65.8621 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(212, 204, 204) }
```



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

```
.border{ border-color:rgb(212, 204, 204) }
```

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

Here you see how a box with a 4 pixel rgb(212, 204, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(212, 204,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.6433, 61.5424, 65.8621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 204, 204) }
```

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

```
.background{ background-color: rgb(212,  
204, 204) }
```

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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