

# Converting Colors

XYZ(63.1613, 64.7902, 75.1421)

Have a look what the booklet for  
XYZ(63.1613, 64.7902, 75.1421)  
contains.

<b>XYZ(63.3492, 65.0578, 74.8642)</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(63.3492, 65.0578,  
74.8642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7D1D9
RGB	215, 209, 217
RGB Percent	84%, 82%, 85%
CMY	0.1569, 0.1804, 0.1490
CMYK	0.01, 0.04, 0.00, 0.15
HSL	285°, 10%, 84%
HSV	285°, 4%, 85%
XYZ	63.3492, 65.0578, 74.8642
YIQ	211.7060, 1.0080, 3.7600

# Conversions

## Conversions Part 2

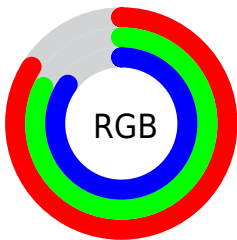
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 209, 217
Decimal	14143961
CIE Lab	84.51, 3.51, -3.22
CIE LCh	85, 4.764, 317.407
Yxy	65.0578, 0.3116, 0.3201
Android (android.graphics.Color)	4292334041 (0xFFD7D1D9)
YUV	211.7060, 2.6099, 2.8888
Hunter-Lab	80.6584, -0.9581, 1.4301

# Details

The XYZ color **63.3492, 65.0578, 74.8642** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1879, 68.0798, 70.1353**, and the grayscale version is **62.3685, 65.6165, 71.4564**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7401, 33.5249, 38.9278** is the 20% darker color. If you saturate the color by 10%, you get **56.8169, 54.3192, 73.1367**, and if you desaturate by 10%, it is **70.6633, 77.2795, 76.8387**.

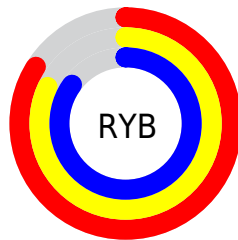
# Distribution



Red (84%)

Green (82%)

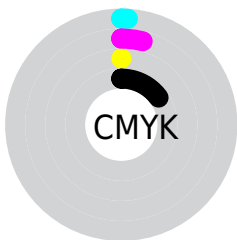
Blue (85%)



Red (84%)

Yellow (82%)

Blue (85%)

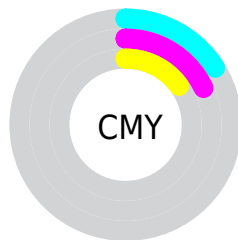


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (15%)



Cyan (16%)

Magenta (18%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3492, 65.0578, 74.8642 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 63.3492, 65.0578, 74.8642 by changing the saturation by 10% instead.



■ 63.3492, 65.0578,  
74.8642

■ 63.3492, 65.0578,  
74.8642

426.4753,  
442.9996, 496.6936

■ 46.3835, 47.5079,  
55.0006

108.7521,  
112.1330, 127.8654

■ 32.7544, 33.4374,  
39.0036

137.9200,  
142.4270, 161.8401

■ 22.0967, 22.4617,  
26.4547

171.8861,  
177.7380, 201.3556

■ 14.0450, 14.1966,  
16.9353

211.0156,  
218.4502, 246.8304

■ 8.2339, 8.2575,  
10.0269

255.6739,  
264.9481, 298.6831

■ 4.2980, 4.2602,  
5.3109

306.2263,

■ 1.8721, 1.8201,

317.6160, 357.3322

2.3689

363.0384,  
376.8384, 423.1962

■ 0.5605, 0.4997,  
0.7695

■ 0.0000, 0.0000,  
0.0000

■ 63.3492, 65.0578,  
74.8642

■ 63.3492, 65.0578,  
74.8642

■ 56.8169, 54.3192,  
73.1367

■ 70.6633, 77.2795,  
76.8387

■ 51.0310, 44.9969,  
71.6423

■ 78.7815, 91.0312,  
79.0652

■ 45.9620, 37.0312,  
70.3719

■ 81.3314, 93.5661,  
79.4201

■ 41.5759, 30.3550,  
69.3144

■ 83.1134, 94.4848,  
79.5035

37.8357, 24.8953,  
68.4577

84.9504, 95.4317,  
79.5894

34.7010, 20.5719,  
67.7884

86.8426, 96.4072,  
79.6780

32.1262, 17.2945,  
67.2916

88.7906, 97.4114,  
79.7692

30.0590, 14.9591,  
66.9497

89.5246, 97.7898,  
79.8035

28.4357, 13.4396,  
66.7420

# Harmonies

## Analogous

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



62.4477, 65.0578, 76.5582



63.3492, 65.0578, 74.8642



63.8475, 65.0578, 72.1181

# Triad

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



63.3492, 65.0578, 74.8642



62.2812, 65.0578, 65.2877



59.9096, 65.0578, 72.5988

# Complementary

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



63.3492, 65.0578, 74.8642



63.1879, 68.0798, 70.1353

# 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.



59.8662, 65.0578, 69.5710



63.3492, 65.0578, 74.8642



61.2273, 65.0578, 65.4080

# Square

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



63.3492, 65.0578, 74.8642



63.2262, 65.0578, 66.6231



60.3461, 65.0578, 66.9567



60.4653, 65.0578, 75.2247



# Rectangle

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



63.3492, 65.0578, 74.8642



63.8802, 65.0578, 70.0865



60.3461, 65.0578, 66.9567



59.8349, 65.0578, 71.5926

# Sweetspot

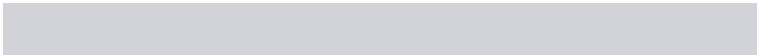
The Sweet Spot groups the original color and five complimentary colors.



63.3511, 65.0606, 74.8656



94.0076, 98.2630, 108.6197



62.1490, 65.2228, 74.9603



20.1325, 21.0506, 23.2520



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.



63.3511, 65.0606, 74.8656



90.9496, 93.1832, 107.8003



63.7006, 65.2687, 73.6221



13.9809, 14.2582, 16.6674



16.7921, 7.7808, 40.3552



1.1648, 0.5437, 2.6180



# Inverse Universe

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



63.1760, 65.0588, 70.8593



90.6747, 93.1810, 101.4868



62.8509, 67.8792, 71.3326



13.9317, 14.2580, 15.5280



17.7650, 9.1071, 3.1428

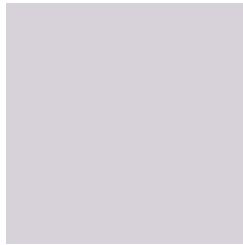


1.1854, 0.6038, 0.3855



# Previews

## White Background



This preview shows how the XYZ color 63.3492, 65.0578, 74.8642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

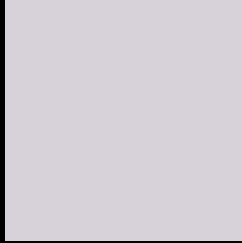
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3492, 65.0578, 74.8642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

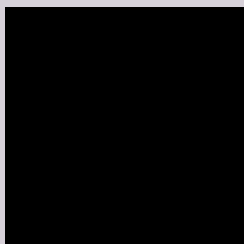
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

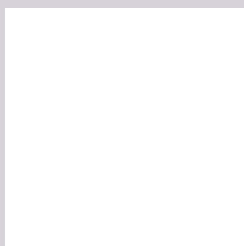
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.3492, 65.0578, 74.8642**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.3492, 65.0578, 74.8642.



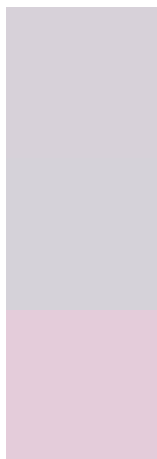
This preview shows how white text looks on a background with the XYZ color 63.3492, 65.0578,

74.8642.

# 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

63.3492, 65.0578, 74.8642

### Protanopia

63.0116, 65.2491, 74.9189

### Deuteranopia

66.2427, 64.7417, 75.3347



## Tritanopia

64.3293, 65.0925, 79.6946

# Trichromacy



## Original Color

63.3492, 65.0578, 74.8642

## Protanomaly

63.3025, 65.3991, 74.9325

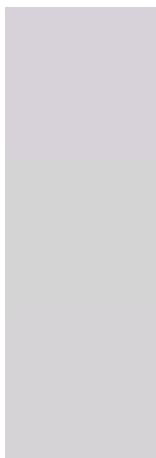
## Deuteranomaly

65.1576, 64.8925, 75.4210

## Tritanomaly

63.9259, 64.9311, 77.5703

# Monochromacy



## Original Color

63.3492, 65.0578, 74.8642

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

62.8724, 65.5897, 72.9647

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3492, 65.0578, 74.8642 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, 209, 217) looks like.

```
.text, #text, p{  
    color:rgb(215, 209, 217)  
}
```

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, 209, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 209, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3492, 65.0578, 74.8642 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, 209, 217) }
```



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

```
.border{ border-color:rgb(215, 209, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 209, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 209, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 209, 217);  
box-shadow:4px 4px 4px 4px rgb(215, 209,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3492, 65.0578, 74.8642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 209, 217) }
```

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

```
.background{ background-color: rgb(215,  
209, 217) }
```

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