

# Converting Colors

XYZ(63.3237, 67.9741, 73.9719)

Have a look what the booklet for  
XYZ(63.3237, 67.9741, 73.9719)  
contains.

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# Color

**XYZ(63.3731, 68.0873,  
74.0920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D9D7
RGB	209, 217, 215
RGB Percent	82%, 85%, 84%
CMY	0.1804, 0.1490, 0.1569
CMYK	0.04, 0.00, 0.01, 0.15
HSL	165°, 10%, 84%
HSV	165°, 4%, 85%
XYZ	63.3731, 68.0873, 74.0920
YIQ	214.3800, -4.1260, -2.3180

# Conversions

## Conversions Part 2

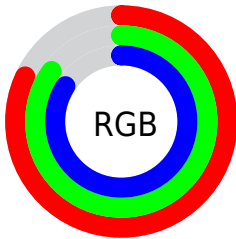
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 214, 217
Decimal	13752791
CIE Lab	86.05, -3.06, 0.03
CIE LCh	86, 3.062, 179.356
Yxy	68.0873, 0.3083, 0.3312
Android (android.graphics.Color)	4291942871 (0xFFD1D9D7)
YUV	214.3800, 0.3057, -4.7183
Hunter-Lab	82.5150, -7.3099, 4.5228

# Details

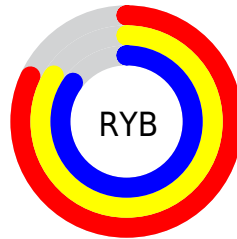
The XYZ color **63.3731, 68.0873, 74.0920** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1761, 65.0576, 70.8590**, and the grayscale version is **64.1741, 67.5161, 73.5251**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7831, 35.3473, 38.3526** is the 20% darker color. If you saturate the color by 10%, you get **56.9607, 64.8628, 70.2094**, and if you desaturate by 10%, it is **70.6489, 71.7580, 78.1389**.

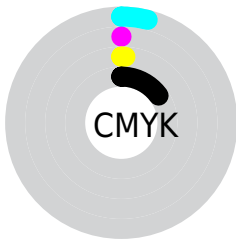
# Distribution



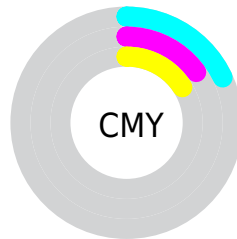
- Red (82%)
- Green (85%)
- Blue (84%)



- Red (82%)
- Yellow (84%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



- Cyan (18%)
- Magenta (15%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3731, 68.0873, 74.0920 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 63.3731, 68.0873, 74.0920 by changing the saturation by 10% instead.



■ 63.3731, 68.0873,  
74.0920

■ 63.3731, 68.0873,  
74.0920

426.5605,  
453.8053, 493.9627

■ 46.4029, 49.9688,  
54.3721

108.7864,  
116.4770, 126.7615

■ 32.7698, 35.3886,  
38.5040

137.9602,  
147.5170, 160.5481

■ 22.1086, 23.9624,  
26.0693

171.9326,  
183.6329, 199.8607

■ 14.0537, 15.3057,  
16.6492

211.0689,  
225.2091, 245.1179

■ 8.2400, 9.0342,  
9.8254

255.7344,  
272.6301, 296.7381

■ 4.3020, 4.7635,  
5.1793

306.2947,

■ 1.8744, 2.1092,

326.2802, 355.1400

2.2922

363.1149,  
386.5438, 420.7420

■ 0.5619, 0.6698,  
0.7269

■ 0.0000, 0.0000,  
0.0000

■ 63.3731, 68.0873,  
74.0920

■ 63.3731, 68.0873,  
74.0920

■ 56.9607, 64.8628,  
70.2094

■ 70.6489, 71.7580,  
78.1389

■ 51.3719, 62.0584,  
66.4837


■ 78.8141, 75.8826,  
82.3481


■ 46.5728, 59.6584,  
62.9137

■ 80.5201, 76.6747,  
86.3783


■ 42.5245, 57.6429,  
59.4964


■ 81.3009, 76.9870,  
90.4896

 39.1849, 55.9901,  
56.2284


 82.1057, 77.3089,  
94.7275


 36.5076, 54.6762,  
53.1066

 82.9347, 77.6405,  
99.0932

 34.4404, 53.6744,  
50.1271

 83.7882, 77.9819,  
103.5875

 32.9234, 52.9536,  
47.2858

 84.1041, 78.1083,  
105.2514

 31.8837, 52.4765,  
44.5782

# Harmonies

## Analogous

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



63.5593, 68.0873, 72.1804



63.3731, 68.0873, 74.0920



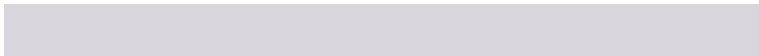
63.5443, 68.0873, 76.0489

# Triad

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



63.3731, 68.0873, 74.0920



65.3797, 68.0873, 77.5600



65.4061, 68.0873, 70.8555

# Complementary

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



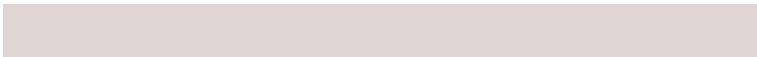
63.3731, 68.0873, 74.0920



63.1761, 65.0576, 70.8590

# 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.



65.8999, 68.0873, 72.2544



63.3731, 68.0873, 74.0920



65.8845, 68.0873, 76.1256

# Square

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



63.3731, 68.0873, 74.0920



64.6997, 68.0873, 78.0730



66.0756, 68.0873, 74.1790



64.7301, 68.0873, 70.3326



# Rectangle

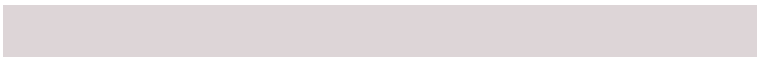
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.3731, 68.0873, 74.0920



63.8387, 68.0873, 77.1109



66.0756, 68.0873, 74.1790



65.5991, 68.0873, 71.2376

# Sweetspot

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



63.3750, 68.0902, 74.0935



94.0154, 99.4785, 108.3160



63.2259, 68.1008, 70.1351



20.1341, 21.2980, 23.1903



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.



63.3750, 68.0902, 74.0935



90.9880, 97.9532, 106.5782



63.1555, 67.2365, 75.2983



13.9882, 15.1182, 16.4458



19.0492, 31.6523, 26.2220



1.2678, 2.0641, 1.8761



# Inverse Universe

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



63.1761, 65.0576, 70.8590



90.6750, 93.1811, 101.4885



63.3873, 65.8795, 69.6978



13.9318, 14.2580, 15.5284



17.7657, 9.1073, 3.1464

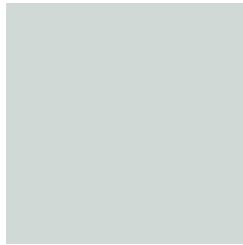


1.1855, 0.6038, 0.3858



# Previews

## White Background



This preview shows how the XYZ color 63.3731, 68.0873, 74.0920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

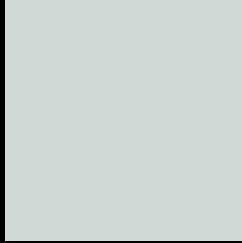
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3731, 68.0873, 74.0920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

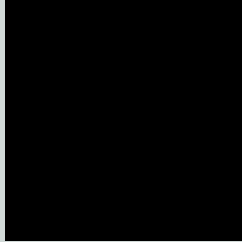
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

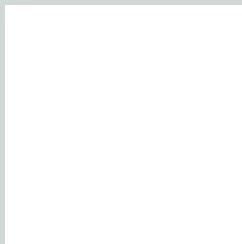
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.3731, 68.0873, 74.0920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.3731, 68.0873, 74.0920.



This preview shows how white text looks on a background with the XYZ color 63.3731, 68.0873,



# 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

63.3731, 68.0873, 74.0920

### Protanopia

65.2702, 67.9573, 72.6278

### Deuteranopia

69.3412, 67.7837, 75.0745



## Tritanopia

65.6217, 67.8597, 85.2409

# Trichromacy



## Original Color

63.3731, 68.0873, 74.0920

## Protanomaly

64.4624, 67.9030, 73.3274

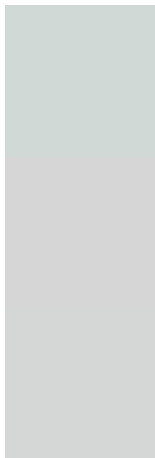
## Deuteranomaly

67.0530, 67.7152, 74.5020

## Tritanomaly

64.7550, 67.8860, 80.9245

# Monochromacy



## Original Color

63.3731, 68.0873, 74.0920

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.5894, 67.4530, 73.2865

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3731, 68.0873, 74.0920 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(209, 217, 215) looks like.

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

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(209, 217, 215) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 63.3731, 68.0873, 74.0920 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(209, 217, 215) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 63.3731, 68.0873, 74.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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