

# Converting Colors

XYZ(68.7376, 75.3635, 86.5250)

Have a look what the booklet for  
XYZ(68.7376, 75.3635, 86.5250)  
contains.

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# Color

**XYZ(68.7376, 75.3635,  
86.5250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E5E7
RGB	209, 229, 231
RGB Percent	82%, 90%, 91%
CMY	0.1804, 0.1019, 0.0941
CMYK	0.10, 0.01, 0.00, 0.09
HSL	185°, 31%, 86%
HSV	185°, 10%, 91%
XYZ	68.7376, 75.3635, 86.5250
YIQ	223.2480, -12.5620, -3.6180

# Conversions

## Conversions Part 2

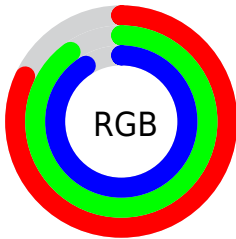
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 219, 231
Decimal	13755879
CIE Lab	89.56, -6.21, -3.24
CIE LCh	90, 7.007, 207.583
Yxy	75.3635, 0.2980, 0.3268
Android (android.graphics.Color)	4291945959 (0xFFD1E5E7)
YUV	223.2480, 3.8217, -12.4955
Hunter-Lab	86.8122, -10.5855, 1.6746

# Details

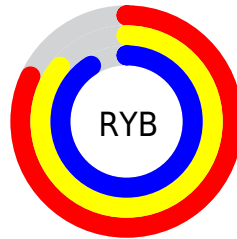
The XYZ color **68.7376, 75.3635, 86.5250** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.7581, 68.1803, 69.9117**, and the grayscale version is **70.2974, 73.9583, 80.5406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2003, 40.2373, 46.4160** is the 20% darker color. If you saturate the color by 10%, you get **62.0940, 71.0848, 86.0505**, and if you desaturate by 10%, it is **76.3401, 80.1511, 87.0496**.

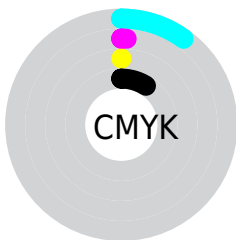
# Distribution



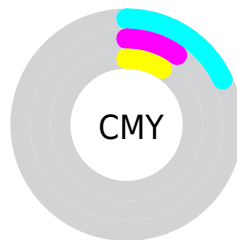
- Red (82%)
- Green (90%)
- Blue (91%)



- Red (82%)
- Yellow (86%)
- Blue (91%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (10%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7376, 75.3635, 86.5250 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 68.7376, 75.3635, 86.5250 by changing the saturation by 10% instead.



■ 68.7376, 75.3635,  
86.5250

■ 68.7376, 75.3635,  
86.5250

445.4408,  
479.1660, 536.9364

■ 50.7739, 55.9107,  
64.5448

116.4428,  
126.8268, 144.3949

■ 36.2490, 40.1314,  
46.6431

146.9151,  
159.6061, 181.1217

■ 24.7976, 27.6410,  
32.4013

182.2876,  
197.5964, 223.6011

■ 16.0542, 18.0552,  
21.4008

222.9256,  
241.1820, 272.2517

■ 9.6536, 10.9896,  
13.2232

269.1946,  
290.7474, 327.4920

■ 5.2304, 6.0599,  
7.4499

321.4599,

■ 2.4192, 2.8815,

346.6769, 389.7405

3.6623

380.0869,  
409.3550, 459.4158

■ 0.8547, 1.0702,  
1.4420

■ 0.0000, 0.0000,  
0.1741

■ 68.7376, 75.3635,  
86.5250

■ 68.7376, 75.3635,  
86.5250

■ 62.0940, 71.0848,  
86.0505

■ 76.3401, 80.1511,  
87.0496

■ 56.3623, 67.2844,  
85.6190

■ 84.8589, 85.4194,  
87.6175

■ 51.5010, 63.9432,  
85.2303

■ 85.4565, 86.6146,  
87.8167

■ 47.4630, 61.0366,  
84.8821

■ 86.0612, 87.8240,  
88.0182

■ 44.1967, 58.5381,  
84.5720

■ 86.6730, 89.0477,  
88.2222

■ 41.6445, 56.4180,  
84.2973

■ 87.2920, 90.2855,  
88.4285

■ 39.7408, 54.6424,  
84.0549

■ 87.9181, 91.5377,  
88.6372

■ 38.4079, 53.1711,  
83.8412

■ 88.5513, 92.8042,  
88.8483

■ 37.5188, 51.9388,  
83.6502

■ 89.1918, 94.0851,  
89.0618

# Harmonies

## Analogous

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



68.3752, 75.3635, 81.6591



68.7376, 75.3635, 86.5250



69.8714, 75.3635, 90.3211

# Triad

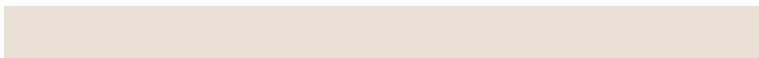
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7376, 75.3635, 86.5250



74.4607, 75.3635, 87.2440



71.7704, 75.3635, 72.9489

# Complementary

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



68.7376, 75.3635, 86.5250



67.7581, 68.1803, 69.9117

# 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.



73.4193, 75.3635, 74.3149



68.7376, 75.3635, 86.5250



74.9881, 75.3635, 82.4583

# Square

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



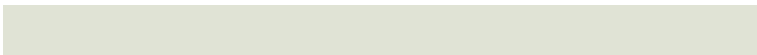
68.7376, 75.3635, 86.5250



73.1740, 75.3635, 90.7478



74.6040, 75.3635, 77.7475



70.1094, 75.3635, 73.9415



# Rectangle

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



68.7376, 75.3635, 86.5250



70.9216, 75.3635, 91.6658



74.6040, 75.3635, 77.7475



72.3446, 75.3635, 73.1462

# Sweetspot

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



68.7398, 75.3667, 86.5267



92.0703, 98.1357, 108.6972



66.6085, 75.4031, 72.5633



19.5404, 20.9006, 23.2543



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

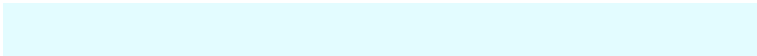


# Same Dimension

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



68.7398, 75.3667, 86.5267



84.6661, 93.4495, 108.1829



65.8341, 69.5553, 85.5581



14.6898, 16.1009, 18.4779



21.0598, 29.1817, 46.9058



1.5891, 2.2222, 3.4771



# Inverse Universe

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



69.9000, 68.2484, 83.6217



86.3383, 83.2280, 103.9877



70.5418, 73.7476, 70.8395



14.9357, 14.5915, 17.8620



25.0235, 12.1436, 35.3485

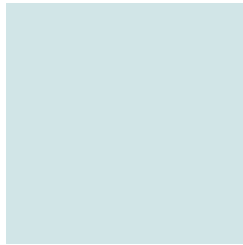


1.8658, 0.9040, 2.6995



# Previews

## White Background



This preview shows how the XYZ color 68.7376, 75.3635, 86.5250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

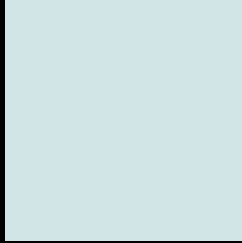
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.7376, 75.3635, 86.5250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

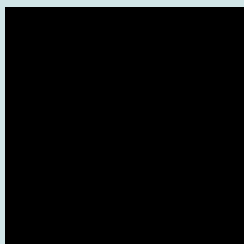
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

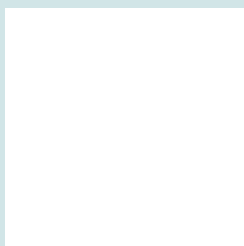
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.7376, 75.3635, 86.5250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.7376, 75.3635, 86.5250.



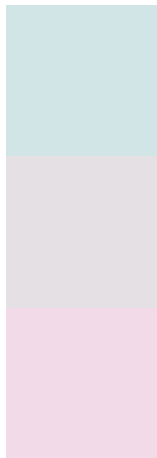
This preview shows how white text looks on a background with the XYZ color 68.7376, 75.3635,



# 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

68.7376, 75.3635, 86.5250

### Protanopia

72.6542, 75.4067, 84.1245

### Deuteranopia

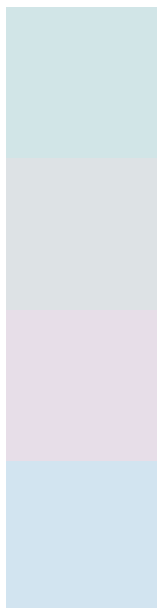
76.7415, 75.0807, 87.5381



## **Tritanopia**

70.8145, 75.3796, 97.2036

# Trichromacy



## Original Color

68.7376, 75.3635, 86.5250

## Protanomaly

71.1580, 75.4220, 84.9362

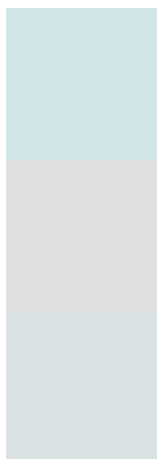
## Deuteranomaly

73.6418, 75.0577, 86.9502

## Tritanomaly

70.0499, 75.4797, 93.3151

# Monochromacy



## Original Color

68.7376, 75.3635, 86.5250

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.5661, 74.2468, 82.6161

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.7376, 75.3635, 86.5250 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, 229, 231) looks like.

```
.text, #text, p{  
    color:rgb(209, 229, 231)  
}
```

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, 229, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 229, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 68.7376, 75.3635, 86.5250 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, 229, 231) }
```



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

```
.border{ border-color:rgb(209, 229, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 229, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 229, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 229, 231);  
box-shadow:4px 4px 4px 4px rgb(209, 229,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.7376, 75.3635, 86.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 229, 231) }
```

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

```
.background{ background-color: rgb(209,  
229, 231) }
```

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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