

# Converting Colors

XYZ(66.9764, 70.2023, 77.2660)

Have a look what the booklet for  
XYZ(66.9764, 70.2023, 77.2660)  
contains.

<b>XYZ(67.0710, 70.3173, 77.0554)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(67.0710, 70.3173,  
77.0554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDADB
RGB	219, 218, 219
RGB Percent	86%, 85%, 86%
CMY	0.1412, 0.1451, 0.1412
CMYK	0.00, 0.00, 0.00, 0.14
HSL	300°, 1%, 86%
HSV	300°, 0%, 86%
XYZ	67.0710, 70.3173, 77.0554
YIQ	218.4130, 0.2750, 0.5230

# Conversions

## Conversions Part 2

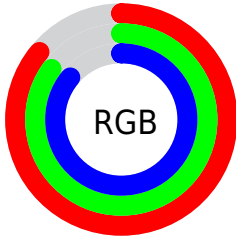
Format	Color
R <sub>Y</sub> B	219, 218, 219
Decimal	14408411
CIE Lab	87.15, 0.52, -0.38
CIE LCh	87, 0.647, 324.044
Yxy	70.3173, 0.3128, 0.3279
Android (android.graphics.Color)	4292598491 (0xFFDBDADB)
YUV	218.4130, 0.2894, 0.5148
Hunter-Lab	83.8554, -3.9753, 4.2167

# Details

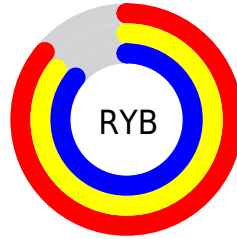
The XYZ color **67.0710, 70.3173, 77.0554** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9025, 70.6323, 76.4405**, and the grayscale version is **66.9252, 70.4105, 76.6771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1079, 36.7672, 40.3684** is the 20% darker color. If you saturate the color by 10%, you get **61.7638, 59.7020, 75.2867**, and if you desaturate by 10%, it is **73.1326, 82.4393, 79.0772**.

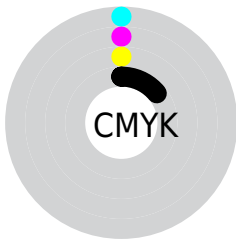
# Distribution



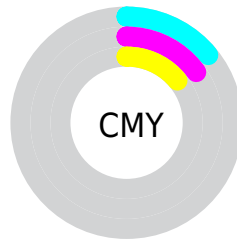
- Red (86%)
- Green (85%)
- Blue (86%)



- Red (86%)
- Yellow (85%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0710, 70.3173, 77.0554 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 67.0710, 70.3173, 77.0554 by changing the saturation by 10% instead.



■ 67.0710, 70.3173,  
77.0554

■ 67.0710, 70.3173,  
77.0554

439.6260,  
461.6633, 504.3956

■ 49.4132, 51.7853,  
56.7865

114.0714,  
119.6611, 130.9914

■ 35.1633, 36.8339,  
40.4256

144.1447,  
151.2417, 165.4956

■ 23.9558, 25.0789,  
27.5543

179.0873,  
187.9406, 205.5820

■ 15.4254, 16.1359,  
17.7538

219.2644,  
230.1422, 251.6691

■ 9.2067, 9.6204,  
10.6058

265.0415,  
278.2308, 304.1755

■ 4.9345, 5.1480,  
5.6916

316.7839,

■ 2.2432, 2.3343,

332.5910, 363.5196

2.5927

374.8569,  
393.6070, 430.1202

■ 0.7654, 0.7918,  
0.8887

■ 0.0000, 0.0000,  
0.0000

■ 67.0710, 70.3173,  
77.0554

■ 67.0710, 70.3173,  
77.0554

■ 61.7638, 59.7020,  
75.2867

■ 73.1326, 82.4393,  
79.0772

■ 57.1757, 50.5261,  
73.7569

■ 77.7604, 91.6949,  
80.6203

■ 53.2777, 42.7302,  
72.4571

■ 77.7605, 91.6950,  
80.6208

■ 50.0364, 36.2478,  
71.3763

■ 77.7606, 91.6950,  
80.6213

47.4157, 31.0065,  
70.5022

77.7607, 91.6950,  
80.6218

45.3759, 26.9271,  
69.8218

77.7608, 91.6951,  
80.6223

43.8730, 23.9213,  
69.3204

77.7609, 91.6951,  
80.6228

42.8563, 21.8881,  
68.9810

77.7610, 91.6952,  
80.6232

42.2658, 20.7073,  
68.7838

77.7611, 91.6952,  
80.6237

# Harmonies

## Analogous

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



66.9535, 70.3173, 77.3294



67.0710, 70.3173, 77.0554



67.1252, 70.3173, 76.6504

# Triad

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



67.0710, 70.3173, 77.0554



66.8648, 70.3173, 75.7353



66.5683, 70.3173, 76.9046

# Complementary

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



67.0710, 70.3173, 77.0554



66.9025, 70.6323, 76.4405

# 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.



66.5446, 70.3173, 76.4769



67.0710, 70.3173, 77.0554



66.7156, 70.3173, 75.8028

# Square

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



67.0710, 70.3173, 77.0554



67.0060, 70.3173, 75.8890



66.5985, 70.3173, 76.0739



66.6633, 70.3173, 77.2421



# Rectangle

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



67.0710, 70.3173, 77.0554



67.1180, 70.3173, 76.3609



66.5985, 70.3173, 76.0739



66.5518, 70.3173, 76.7666

# Sweetspot

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



67.0730, 70.3203, 77.0569

95.0500, 100.0000, 108.9000



66.7741, 70.1662, 77.0430



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



67.0730, 70.3203, 77.0569



94.2419, 98.3838, 108.6306



67.0075, 70.2941, 76.7120



14.6035, 15.2530, 16.8266



24.9032, 11.9623, 40.7320



1.6134, 0.7750, 2.6388



# Inverse Universe

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



67.0730, 70.3203, 77.0569



94.2419, 98.3838, 108.6306



66.9678, 70.6584, 76.7844



14.6035, 15.2530, 16.8266



24.9032, 11.9623, 40.7320

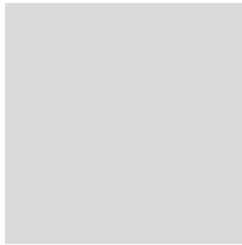


1.6134, 0.7750, 2.6388



# Previews

## White Background



This preview shows how the XYZ color 67.0710, 70.3173, 77.0554 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 67.0710, 70.3173, 77.0554 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

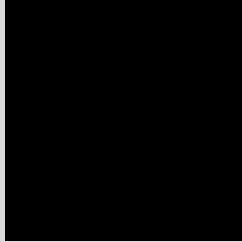
Any Text WCAG AAA ✓ Pass

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

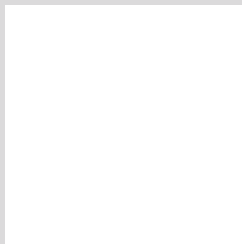


# XYZ 67.0710, 70.3173, 77.0554

## Background



This preview shows how black text looks on a background with the XYZ color 67.0710, 70.3173, 77.0554.



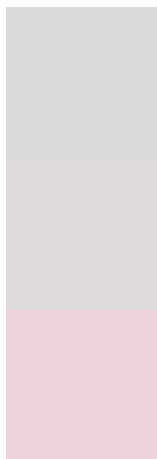
This preview shows how white text looks on a background with the XYZ color 67.0710, 70.3173, 77.0554.



# 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

67.0710, 70.3173, 77.0554

### Protanopia

67.7232, 70.2698, 77.0119

### Deuteranopia

71.4724, 69.9330, 77.4416



## Tritanopia

69.0826, 70.3671, 87.0320

# Trichromacy



## Original Color

67.0710, 70.3173, 77.0554

## Protanomaly

67.4178, 70.1123, 76.9976

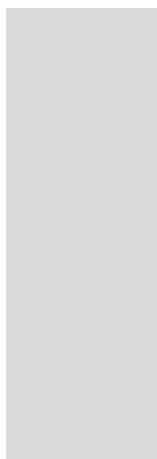
## Deuteranomaly

69.9198, 70.2494, 77.5845

## Tritanomaly

68.3316, 70.4428, 83.3941

# Monochromacy



## Original Color

67.0710, 70.3173, 77.0554

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.6397, 70.1102, 76.3500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0710, 70.3173, 77.0554 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(219, 218, 219) looks like.

```
.text, #text, p{  
    color:rgb(219, 218, 219)  
}
```

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(219, 218, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0710, 70.3173, 77.0554 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(219, 218, 219) }
```

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

```
.border{ border-color:rgb(219, 218, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 218, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 218, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 218, 219);  
box-shadow:4px 4px 4px 4px rgb(219, 218,  
219) }
```



# Background

The CSS property to change the background color of an element to XYZ 67.0710, 70.3173, 77.0554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 219) }
```

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

```
.background{ background-color: rgb(219,  
218, 219) }
```

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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