

# Converting Colors

XYZ(65.0695, 62.6978, 77.0790)

Have a look what the booklet for  
XYZ(65.0695, 62.6978, 77.0790)  
contains.

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# Color

**XYZ(65.0695, 62.6978,  
77.0790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2C8DD
RGB	226, 200, 221
RGB Percent	89%, 78%, 87%
CMY	0.1137, 0.2157, 0.1333
CMYK	0.00, 0.12, 0.02, 0.11
HSL	312°, 31%, 84%
HSV	312°, 12%, 89%
XYZ	65.0695, 62.6978, 77.0790
YIQ	210.1680, 8.7550, 12.0430

# Conversions

## Conversions Part 2

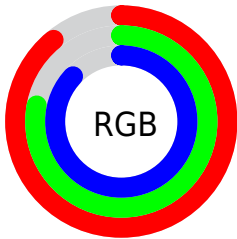
Format	Color
R <sub>Y</sub> B	226, 200, 221
Decimal	14862557
CIE Lab	83.28, 12.73, -7.07
CIE LCh	83, 14.560, 330.953
Yxy	62.6978, 0.3177, 0.3061
Android (android.graphics.Color)	4293052637 (0xFFE2C8DD)
YUV	210.1680, 5.3402, 13.8847
Hunter-Lab	79.1819, 8.1179, -2.2880

# Details

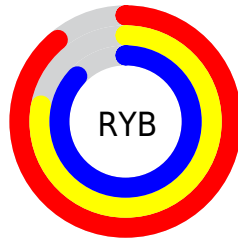
The XYZ color **65.0695, 62.6978, 77.0790** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.0377, 71.0816, 68.2114**, and the grayscale version is **61.3324, 64.5265, 70.2694**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9564, 31.9689, 40.4573** is the 20% darker color. If you saturate the color by 10%, you get **59.6463, 52.7654, 72.4513**, and if you desaturate by 10%, it is **71.2851, 74.1890, 82.0463**.

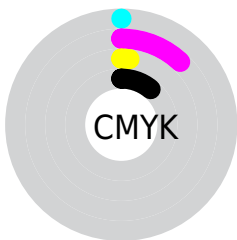
# Distribution



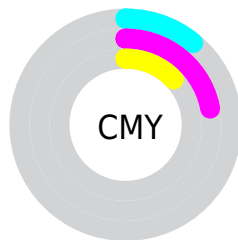
- Red (89%)
- Green (78%)
- Blue (87%)



- Red (89%)
- Yellow (78%)
- Blue (87%)



- Cyan (0%)
- Magenta (12%)
- Yellow (2%)
- Black (11%)



- Cyan (11%)
- Magenta (22%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0695, 62.6978, 77.0790 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 65.0695, 62.6978, 77.0790 by changing the saturation by 10% instead.



65.0695, 62.6978,  
77.0790

65.0695, 62.6978,  
77.0790

432.5829,  
434.4719, 504.4782

47.7823, 45.5968,  
56.8058

111.2149,  
108.7334, 131.0250

33.8651, 31.9277,  
40.4410

140.8039,  
138.4368, 165.5349

22.9524, 21.3063,  
27.5662

175.2242,  
173.1097, 205.6274

14.6788, 13.3481,  
17.7627

214.8412,  
213.1367, 251.7210

8.6791, 7.6687,  
10.6121

260.0202,  
258.9019, 304.2344

4.5879, 3.8837,  
5.6958

311.1266,

2.0398, 1.6087,

310.7900, 363.5860

2.5952

368.5257,  
369.1852, 430.1944

■ 0.6562, 0.3635,  
0.8900

■ 0.0000, 0.0000,  
0.0000

■ 65.0695, 62.6978,  
77.0790

■ 65.0695, 62.6978,  
77.0790

■ 59.6463, 52.7654,  
72.4513

■ 71.2851, 74.1890,  
82.0463

■ 54.9759, 44.3158,  
68.1472

■ 78.3193, 87.2943,  
87.3603

■ 51.0239, 37.2793,  
64.1555

■ 81.9818, 93.6319,  
91.6255

■ 47.7507, 31.5769,  
60.4623

■ 82.6143, 93.8849,  
94.9563

45.1129, 27.1220,  
57.0527

83.2623, 94.1441,  
98.3683

43.0620, 23.8181,  
53.9100

83.9258, 94.4095,  
101.8622

41.5426, 21.5539,  
51.0150

84.6049, 94.6812,  
105.4385

40.4878, 20.1965,  
48.3448

85.1745, 94.9090,  
108.4378

39.8631, 19.5684,  
46.2210

# Harmonies

## Analogous

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



62.7759, 62.6978, 84.3223



65.0695, 62.6978, 77.0790



65.8832, 62.6978, 67.9779

# Triad

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



65.0695, 62.6978, 77.0790



59.4913, 62.6978, 52.2893



54.5269, 62.6978, 77.6245

# Complementary

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



65.0695, 62.6978, 77.0790



62.0377, 71.0816, 68.2114

# 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.



53.7153, 62.6978, 68.5574



65.0695, 62.6978, 77.0790



56.5184, 62.6978, 54.3916

# Square

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



65.0695, 62.6978, 77.0790



62.5946, 62.6978, 54.1429



54.4316, 62.6978, 60.1540



56.6877, 62.6978, 84.6563



# Rectangle

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



65.0695, 62.6978, 77.0790



65.4550, 62.6978, 62.2255



54.4316, 62.6978, 60.1540



54.0907, 62.6978, 74.6880

# Sweetspot

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



65.0713, 62.7005, 77.0804



92.4219, 95.1214, 106.8597



59.4970, 59.7487, 80.3494



19.6353, 20.0878, 22.7572



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.



65.0713, 62.7005, 77.0804



83.6139, 78.8653, 99.7311



63.4344, 62.0458, 68.4604



14.1761, 13.8881, 16.6973



22.7838, 11.1805, 26.5908



1.6086, 0.7867, 1.9979



# Inverse Universe

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



65.0713, 62.7005, 77.0804



83.6139, 78.8653, 99.7311



63.6423, 71.7235, 76.6612



14.1761, 13.8881, 16.6973



22.7838, 11.1805, 26.5908



1.6086, 0.7867, 1.9979



# Previews

## White Background



This preview shows how the XYZ color 65.0695, 62.6978, 77.0790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

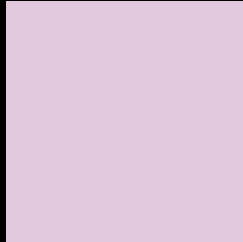
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0695, 62.6978, 77.0790 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 65.0695, 62.6978, 77.0790**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.0695, 62.6978, 77.0790.



This preview shows how white text looks on a background with the XYZ color 65.0695, 62.6978,



# 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

65.0695, 62.6978, 77.0790

### Protanopia

61.1155, 62.7007, 80.1155

### Deuteranopia

64.2959, 62.9911, 77.1764



## Tritanopia

64.3327, 62.7387, 73.6848

# Trichromacy



## Original Color

65.0695, 62.6978, 77.0790

## Protanomaly

62.4880, 62.7137, 79.3325

## Deuteranomaly

64.3692, 62.6817, 77.1128

## Tritanomaly

64.5929, 62.8428, 75.0551

# Monochromacy



## Original Color

65.0695, 62.6978, 77.0790

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

62.5278, 63.5966, 72.5981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0695, 62.6978, 77.0790 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(226, 200, 221)` looks like.

```
.text, #text, p{  
    color:rgb(226, 200, 221)  
}
```

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(226, 200, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 200, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0695, 62.6978, 77.0790 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(226, 200, 221) }
```



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

```
.border{ border-color:rgb(226, 200, 221) }
```

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

Here you see how a box with a 4 pixel rgb(226, 200, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 200, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 200, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 200,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0695, 62.6978, 77.0790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 200, 221) }
```

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

```
.background{ background-color: rgb(226,  
200, 221) }
```

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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