

# Converting Colors

XYZ(71.7701, 67.7893, 82.7007)

Have a look what the booklet for  
XYZ(71.7701, 67.7893, 82.7007)  
contains.

- XYZ(71.7701, 67.7893, 82.7007) ..... 3**
- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**XYZ(71.7701, 67.7893,  
82.7007)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0CDE4
RGB	240, 205, 228
RGB Percent	94%, 80%, 89%
CMY	0.0588, 0.1961, 0.1059
CMYK	0.00, 0.15, 0.05, 0.06
HSL	321°, 54%, 87%
HSV	321°, 15%, 94%
XYZ	71.7701, 67.7893, 82.7007
YIQ	218.0870, 13.4770, 14.5730

# Conversions

## Conversions Part 2

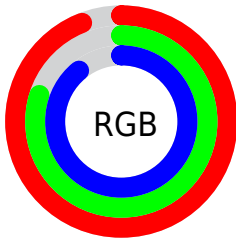
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 205, 228
Decimal	15781348
CIE <sub>Lab</sub>	85.90, 16.08, -6.79
CIE <sub>LCh</sub>	86, 17.453, 337.114
Yxy	67.7893, 0.3229, 0.3050
Android (android.graphics.Color)	4293971428 (0xFFFF0CDE4)
YUV	218.0870, 4.8871, 19.2177
Hunter-Lab	82.3343, 11.5120, -1.9199

# Details

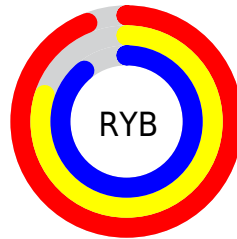
The XYZ color **71.7701, 67.7893, 82.7007** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.8640, 80.3110, 77.5215**, and the grayscale version is **66.6630, 70.1347, 76.3767**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3766, 35.3407, 44.3339** is the 20% darker color. If you saturate the color by 10%, you get **65.3487, 56.7306, 75.0575**, and if you desaturate by 10%, it is **79.1304, 80.6368, 90.9268**.

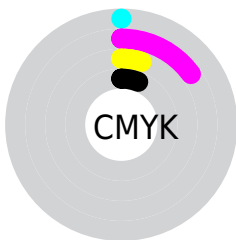
# Distribution



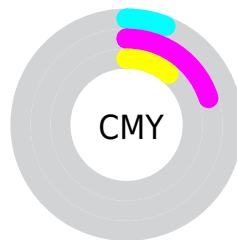
- Red (94%)
- Green (80%)
- Blue (89%)



- Red (94%)
- Yellow (80%)
- Blue (89%)



- Cyan (0%)
- Magenta (15%)
- Yellow (5%)
- Black (6%)




- Cyan (6%)
- Magenta (20%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7701, 67.7893, 82.7007 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 71.7701, 67.7893, 82.7007 by changing the saturation by 10% instead.




 71.7701, 67.7893,  
82.7007

 71.7701, 67.7893,  
82.7007

455.9111,  
452.7491, 523.9333

 53.2557, 49.7263,  
61.4041

120.7422,  
116.0507, 139.0017

 38.2352, 35.1960,  
44.1187

151.9306,  
147.0179, 174.8431

 26.3433, 23.8139,  
30.4260

188.0743,  
183.0553, 216.3699

 17.2147, 15.1956,  
19.9073

229.5388,  
224.5473, 264.0006

 10.4839, 8.9568,  
12.1443

276.6894,  
271.8783, 318.1538

 5.7857, 4.7130,  
6.7183

329.8914,

 2.7546, 2.0799,

325.4326, 379.2479

3.2108

389.5101,  
385.5948, 447.7016

■ 1.0254, 0.6533,  
1.2032

■ 0.0000, 0.0000,  
0.0000

■ 71.7701, 67.7893,  
82.7007

■ 71.7701, 67.7893,  
82.7007

■ 65.3487, 56.7306,  
75.0575

■ 79.1304, 80.6368,  
90.9268

■ 59.8195, 47.3716,  
67.9756

■ 87.4619, 95.3394,  
99.7477

■ 55.1406, 39.6287,  
61.4381

■ 89.3760, 97.1176,  
106.7050

■ 51.2645, 33.4077,  
55.4251

■ 89.7457, 97.2655,  
108.6518

■ 48.1384, 28.6048,  
49.9153

■ 45.7033, 25.1029,  
44.8849

■ 43.8904, 22.7661,  
40.3068

■ 42.6158, 21.4279,  
36.1488

■ 42.0818, 20.9840,  
34.0470

# Harmonies

## Analogous

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



69.1783, 67.7893, 92.7790



71.7701, 67.7893, 82.7007



72.3579, 67.7893, 71.1203

# Triad

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



71.7701, 67.7893, 82.7007



63.4852, 67.7893, 54.0640



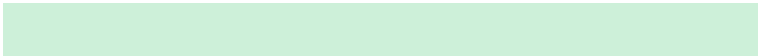
58.4987, 67.7893, 87.8957

# Complementary

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



71.7701, 67.7893, 82.7007



68.8640, 80.3110, 77.5215

# 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.



57.1065, 67.7893, 76.5688



71.7701, 67.7893, 82.7007



59.9073, 67.7893, 57.6223

# Square

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



71.7701, 67.7893, 82.7007



67.4652, 67.7893, 55.3435



57.6114, 67.7893, 65.5824



61.4905, 67.7893, 95.9880



# Rectangle

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



71.7701, 67.7893, 82.7007



71.5131, 67.7893, 64.2326



57.6114, 67.7893, 65.5824



57.8339, 67.7893, 84.2972

# Sweetspot

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



71.7721, 67.7923, 82.7022



91.3238, 93.4406, 104.9051



66.0785, 64.6579, 91.4367



19.4014, 19.7444, 22.2959



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.



71.7721, 67.7923, 82.7022



80.4444, 74.4715, 92.6780



69.5059, 66.8858, 70.7686



16.2106, 15.9339, 18.6651



23.1008, 11.5128, 18.9794



1.9683, 0.9764, 1.8237



# Inverse Universe

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



71.7721, 67.7923, 82.7022



80.4444, 74.4715, 92.6780



71.2144, 81.2512, 89.8987



16.2106, 15.9339, 18.6651



23.1008, 11.5128, 18.9794

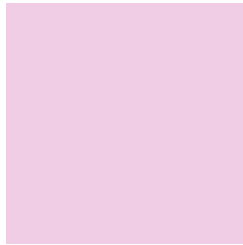


1.9683, 0.9764, 1.8237



# Previews

## White Background



This preview shows how the XYZ color 71.7701, 67.7893, 82.7007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

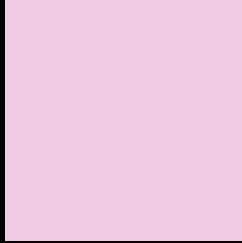
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.7701, 67.7893, 82.7007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

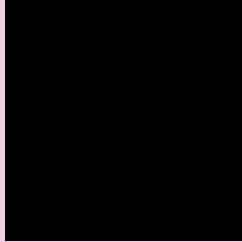
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.7701, 67.7893, 82.7007**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.7701, 67.7893, 82.7007.



This preview shows how white text looks on a background with the XYZ color 71.7701, 67.7893,



# 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

71.7701, 67.7893, 82.7007

### Protanopia

66.1951, 68.1225, 86.7509

### Deuteranopia

69.2987, 67.9700, 82.1401



## Tritanopia

70.8527, 67.7673, 78.4533

# Trichromacy



## Original Color

71.7701, 67.7893, 82.7007

## Protanomaly

68.1495, 68.0460, 85.1436

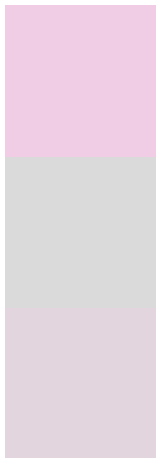
## Deuteranomaly

70.3527, 68.1502, 82.1194

## Tritanomaly

71.1225, 67.8752, 79.8737

# Monochromacy



## Original Color

71.7701, 67.7893, 82.7007

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

68.3431, 69.0312, 78.8295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.7701, 67.7893, 82.7007 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(240, 205, 228) looks like.

```
.text, #text, p{  
    color:rgb(240, 205, 228)  
}
```

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(240, 205, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 205, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 71.7701, 67.7893, 82.7007 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(240, 205, 228) }
```



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

```
.border{ border-color:rgb(240, 205, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 205, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 205, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 205, 228);  
box-shadow:4px 4px 4px 4px rgb(240, 205,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.7701, 67.7893, 82.7007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 205, 228) }
```

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

```
.background{ background-color: rgb(240,  
205, 228) }
```

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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