

Converting Colors

XYZ(72.0108, 67.9682, 80.3840)

Have a look what the booklet for
XYZ(72.0108, 67.9682, 80.3840)
contains.

XYZ(72.0399, 67.9761, 80.5580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.0399, 67.9761,
80.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	F2CDE1
RGB	242, 205, 225
RGB Percent	95%, 80%, 88%
CMY	0.0510, 0.1961, 0.1176
CMYK	0.00, 0.15, 0.07, 0.05
HSL	328°, 59%, 88%
HSV	328°, 15%, 95%
XYZ	72.0399, 67.9761, 80.5580
YIQ	218.3430, 15.6320, 14.0640

Conversions

Conversions Part 2

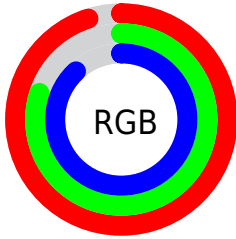
Format	Color
R _Y B	242, 205, 225
Decimal	15912417
CIE Lab	85.99, 16.25, -5.04
CIE LCh	86, 17.009, 342.775
Yxy	67.9761, 0.3266, 0.3082
Android (android.graphics.Color)	4294102497 (0xFFFF2CDE1)
YUV	218.3430, 3.2819, 20.7472
Hunter-Lab	82.4476, 11.6838, -0.2178

Details

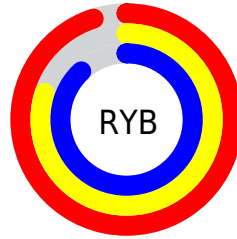
The XYZ color **72.0399, 67.9761, 80.5580** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.1164, 81.7592, 81.1966**, and the grayscale version is **66.8494, 70.3307, 76.5902**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5720, 35.4746, 42.8445** is the 20% darker color. If you saturate the color by 10%, you get **65.2252, 56.6951, 71.0444**, and if you desaturate by 10%, it is **79.8527, 81.0932, 90.8934**.

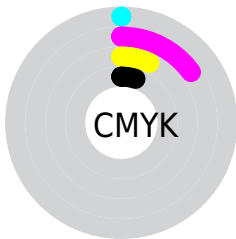
Distribution



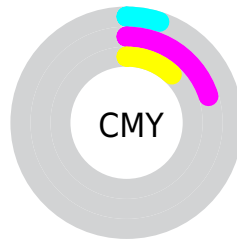
- Red (95%)
- Green (80%)
- Blue (88%)



- Red (95%)
- Yellow (80%)
- Blue (88%)



- Cyan (0%)
- Magenta (15%)
- Yellow (7%)
- Black (5%)



- Cyan (5%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0399, 67.9761, 80.5580 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 72.0399, 67.9761, 80.5580 by changing the saturation by 10% instead.

72.0399, 67.9761,
80.5580

72.0399, 67.9761,
80.5580

456.8359,
453.4113, 516.5676

53.4768, 49.8783,
59.6488

121.1238,
116.3180, 135.9684

38.4126, 35.3167,
42.7122

152.3753,
147.3308, 171.3067

26.4817, 23.9069,
29.3296

188.5870,
183.4174, 212.2918

17.3189, 15.2646,
19.0826

230.1242,
224.9622, 259.3422

10.5589, 9.0053,
11.5525

277.3524,
272.3496, 312.8764

5.8361, 4.7446,
6.3210

330.6368,

2.7854, 2.0982,

325.9640, 373.3130

2.9693

390.3429,
386.1898, 441.0706

■ 1.0413, 0.6636,
1.0790

■ 0.0000, 0.0000,
0.0000

■ 72.0399, 67.9761,
80.5580

■ 72.0399, 67.9761,
80.5580

■ 65.2252, 56.6951,
71.0444

■ 79.8527, 81.0932,
90.8934

■ 59.3597, 47.1585,
62.3246

■ 88.6978, 96.1149,
102.0686

■ 54.3994, 39.2800,
54.3754

■ 90.4284, 97.6175,
108.6837

■ 50.2940, 32.9625,
47.1703

■ 46.9882, 28.0985,
40.6806

■ 44.4198, 24.5671,
34.8752

■ 42.5164, 22.2270,
29.7191

■ 41.1896, 20.9049,
25.1716

■ 40.7016, 20.5107,
23.2153

Harmonies

Analogous

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



69.8370, 67.9761, 90.9245



72.0399, 67.9761, 80.5580



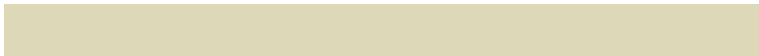
72.2021, 67.9761, 69.3662

Triad

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



72.0399, 67.9761, 80.5580



62.9652, 67.9761, 54.9830



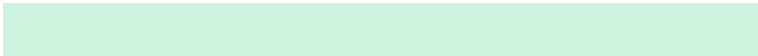
59.2596, 67.9761, 89.5788

Complementary

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



72.0399, 67.9761, 80.5580



70.1164, 81.7592, 81.1966

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.



57.5683, 67.9761, 78.8658



72.0399, 67.9761, 80.5580



59.6491, 67.9761, 59.3428

Square

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



72.0399, 67.9761, 80.5580



66.8554, 67.9761, 55.3377



57.7080, 67.9761, 67.8351



62.4140, 67.9761, 96.4814

Rectangle

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



72.0399, 67.9761, 80.5580



71.1218, 67.9761, 62.9863



57.7080, 67.9761, 67.8351



58.5069, 67.9761, 86.2601

Sweetspot

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



72.0419, 67.9791, 80.5594



90.1875, 91.7616, 102.6965



67.8781, 65.5511, 93.0805



19.1626, 19.4023, 21.7988



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.



72.0419, 67.9791, 80.5594



78.9031, 72.8453, 87.6749



69.6959, 67.0407, 68.2056



16.1301, 15.9017, 18.2413



21.9348, 11.0464, 12.8392



1.8750, 0.9390, 1.3324

Inverse Universe

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



72.0419, 67.9791, 80.5594



78.9031, 72.8453, 87.6749



72.6816, 82.7853, 94.7046



16.1301, 15.9017, 18.2413



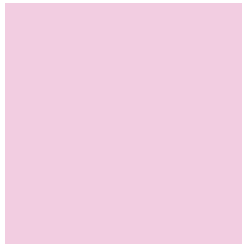
21.9348, 11.0464, 12.8392



1.8750, 0.9390, 1.3324

Previews

White Background



This preview shows how the XYZ color 72.0399, 67.9761, 80.5580 looks on a white background.

Color Contrast Check

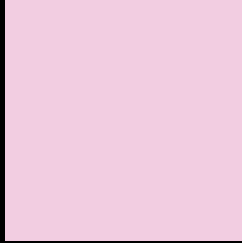
Large Text (above 18pt) WCAG AA × Fail

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 72.0399, 67.9761, 80.5580 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 72.0399, 67.9761, 80.5580

Background



This preview shows how black text looks on a background with the XYZ color 72.0399, 67.9761, 80.5580.



This preview shows how white text looks on a background with the XYZ color 72.0399, 67.9761,

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

72.0399, 67.9761, 80.5580

Protanopia

66.3538, 68.2534, 84.5399

Deuteranopia

69.5337, 68.1386, 80.0082



Tritanopia

71.8741, 68.2938, 78.5011

Trichromacy



Original Color

72.0399, 67.9761, 80.5580

Protanomaly

68.3492, 68.1975, 82.9598

Deuteranomaly

70.6025, 68.3264, 79.9882

Tritanomaly

72.0085, 68.3476, 79.2092

Monochromacy



Original Color

72.0399, 67.9761, 80.5580

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.5239, 69.1399, 78.1403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0399, 67.9761, 80.5580 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(242, 205, 225) looks like.

```
.text, #text, p{  
    color:rgb(242, 205, 225)  
}
```

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(242, 205, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 205, 225) }
```

Border

The CSS property to change the border of an element to XYZ 72.0399, 67.9761, 80.5580 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(242, 205, 225) }
```


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

```
.border{ border-color:rgb(242, 205, 225) }
```

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

Here you see how a box with a 4 pixel rgb(242, 205, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 205, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 205, 225);  
box-shadow:4px 4px 4px 4px rgb(242, 205,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0399, 67.9761, 80.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 205, 225) }
```

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

```
.background{ background-color: rgb(242,  
205, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor