

Converting Colors

XYZ(115.3509, 82.0016,
86.9485)

Have a look what the booklet for
XYZ(115.3509, 82.0016, 86.9485)
contains.

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Color

**XYZ(72.2692, 59.7857,
84.8216)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB4E9
RGB	255, 180, 233
RGB Percent	100%, 71%, 91%
CMY	0.0000, 0.2941, 0.0863
CMYK	0.00, 0.29, 0.09, 0.00
HSL	318°, 100%, 85%
HSV	318°, 29%, 100%
XYZ	72.2692, 59.7857, 84.8216
YIQ	208.4670, 27.6870, 32.3830

Conversions

Conversions Part 2

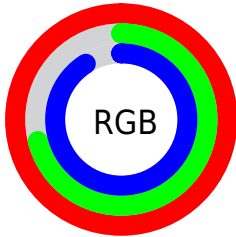
Format	Color
R _Y B	255, 180, 233
Decimal	16757993
CIE Lab	81.72, 35.15, -15.54
CIE LCh	82, 38.429, 336.147
Yxy	59.7857, 0.3332, 0.2757
Android (android.graphics.Color)	4294948073 (0xFFFFB4E9)
YUV	208.4670, 12.0948, 40.8094
Hunter-Lab	77.3212, 31.5250, -10.9165

Details

The XYZ color **72.2692, 59.7857, 84.8216** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.2450, 85.4885, 68.9423**, and the grayscale version is **60.1699, 63.3034, 68.9375**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **38.4226, 29.9664, 45.3540** is the 20% darker color. If you saturate the color by 10%, you get **66.5411, 50.0033, 77.7518**, and if you desaturate by 10%, it is **78.9924, 71.4850, 92.4481**.

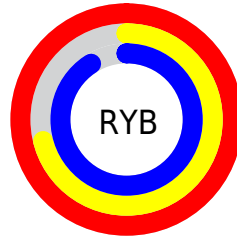
Distribution



Red (100%)

Green (71%)

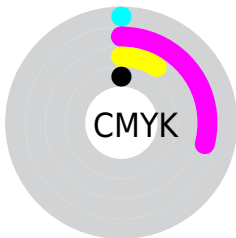
Blue (91%)



Red (100%)

Yellow (71%)

Blue (91%)

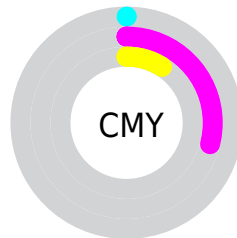


Cyan (0%)

Magenta (29%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2692, 59.7857, 84.8216 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 72.2692, 59.7857, 84.8216 by changing the saturation by 10% instead.


 72.2692, 59.7857,
84.8216

 72.2692, 59.7857,
84.8216


457.6211,
423.8074, 531.1668

 53.6649, 43.2459,
63.1447


 121.4479,
104.5187, 141.9958

 38.5634, 30.0781,
45.5165

152.7530,
133.4808, 178.3303

 26.5994, 19.8979,
31.5186


189.0224,
167.3524, 220.3876

 17.4076, 12.3208,
20.7323

230.6214,
206.5179, 268.5863

 10.6227, 6.9626,
12.7391

277.9155,
251.3618, 323.3451

 5.8791, 3.4387,
7.1205

331.2699,

 2.8117, 1.3648,

302.2684, 385.0824

3.4580

391.0500,
359.6222, 454.2168

■ 1.0550, 0.1906,
1.3330

■ 0.0000, 0.0000,
0.0886

■ 72.2692, 59.7857,
84.8216

■ 72.2692, 59.7857,
84.8216

■ 66.5411, 50.0033,
77.7518

■ 78.9924, 71.4850,
92.4481

■ 61.7513, 42.0262,
71.2148

■ 86.7549, 85.1901,
100.6465

■ 57.8436, 35.7426,
65.1898

95.0500, 100.0000,
108.9000

■ 54.7539, 31.0253,
59.6527

■ 52.4090, 27.7287,
54.5761

■ 50.7221, 25.6802,
49.9281

■ 49.5599, 24.6141,
45.6613

■ 49.4984, 24.5634,
45.4181

Harmonies

Analogous

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



66.5013, 59.7857, 108.0966



72.2692, 59.7857, 84.8216



73.7334, 59.7857, 60.4422

Triad

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



72.2692, 59.7857, 84.8216



55.1752, 59.7857, 30.0935



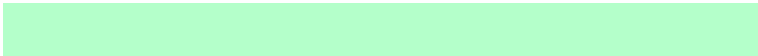
45.1678, 59.7857, 95.0642

Complementary

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



72.2692, 59.7857, 84.8216



65.2450, 85.4885, 68.9423

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.



42.7211, 59.7857, 69.9838



72.2692, 59.7857, 84.8216



48.1352, 59.7857, 35.3458

Square

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



72.2692, 59.7857, 84.8216



63.3489, 59.7857, 32.2653



43.7537, 59.7857, 48.6941



50.7642, 59.7857, 114.9243

Rectangle

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



72.2692, 59.7857, 84.8216



71.9607, 59.7857, 47.3741



43.7537, 59.7857, 48.6941



43.9752, 59.7857, 86.7648

Sweetspot

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



72.2706, 59.7882, 84.8228



87.0956, 85.7953, 100.9947



58.5283, 52.3177, 101.6213



18.3847, 17.9068, 21.3532



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.



72.2706, 59.7882, 84.8228



68.9484, 54.0887, 80.8027



67.5553, 57.9021, 59.9923



18.5522, 18.2042, 21.5252



25.9324, 12.8623, 24.0924



2.5727, 1.2715, 2.5974

Inverse Universe

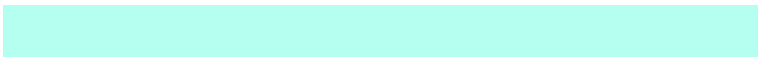
The Inverse Universe completely reimagines the original color for something new.



72.2706, 59.7882, 84.8228



68.9484, 54.0887, 80.8027



70.1270, 87.4413, 94.6506



18.5522, 18.2042, 21.5252



25.9324, 12.8623, 24.0924



2.5727, 1.2715, 2.5974

Previews

White Background



This preview shows how the XYZ color 72.2692, 59.7857, 84.8216 looks on a white background.

Color Contrast Check

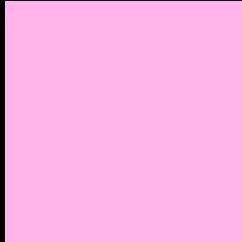
Large Text (above 18pt) WCAG AA × Fail

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 72.2692, 59.7857, 84.8216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

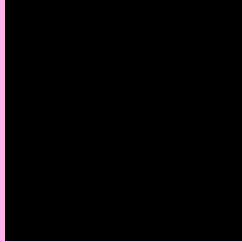
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2692, 59.7857, 84.8216

Background



This preview shows how black text looks on a background with the XYZ color 72.2692, 59.7857, 84.8216.



This preview shows how white text looks on a background with the XYZ color 72.2692, 59.7857,

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

72.2692, 59.7857, 84.8216

Protanopia

59.9013, 60.2939, 96.4764

Deuteranopia

61.3410, 59.9502, 83.2014



Tritanopia

67.7679, 59.7972, 62.6138

Trichromacy



Original Color

72.2692, 59.7857, 84.8216



Protanomaly

63.6377, 59.5933, 92.1530



Deuteranomaly

64.7332, 59.3620, 83.6475



Tritanomaly

69.1690, 59.7299, 70.1708

Monochromacy



Original Color

72.2692, 59.7857, 84.8216



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

63.7698, 61.4055, 74.1371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2692, 59.7857, 84.8216 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(255, 180, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 233)  
}
```

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(255, 180, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.2692, 59.7857, 84.8216 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(255, 180, 233) }
```


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

```
.border{ border-color:rgb(255, 180, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2692, 59.7857, 84.8216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 233) }
```

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

```
.background{ background-color: rgb(255,  
180, 233) }
```

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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