

Converting Colors

XYZ(85.7248, 66.7578, 87.4957)

Have a look what the booklet for
XYZ(85.7248, 66.7578, 87.4957)
contains.

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Color

**XYZ(72.7016, 59.9586,
87.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB4EC
RGB	255, 180, 236
RGB Percent	100%, 71%, 93%
CMY	0.0000, 0.2941, 0.0745
CMYK	0.00, 0.29, 0.07, 0.00
HSL	315°, 100%, 85%
HSV	315°, 29%, 100%
XYZ	72.7016, 59.9586, 87.0983
YIQ	208.8090, 26.7240, 33.3160

Conversions

Conversions Part 2

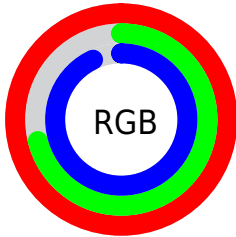
Format	Color
R _Y B	255, 180, 236
Decimal	16757996
CIE Lab	81.82, 35.65, -17.01
CIE LCh	82, 39.500, 334.492
Yxy	59.9586, 0.3308, 0.2728
Android (android.graphics.Color)	4294948076 (0xFFFFB4EC)
YUV	208.8090, 13.4052, 40.5095
Hunter-Lab	77.4329, 32.0856, -12.4877

Details

The XYZ color **72.7016, 59.9586, 87.0983** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.8931, 85.3477, 67.0892**, and the grayscale version is **60.3844, 63.5291, 69.1831**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **38.7250, 30.0873, 46.9464** is the 20% darker color. If you saturate the color by 10%, you get **67.0978, 50.2259, 80.6836**, and if you desaturate by 10%, it is **79.2889, 71.6036, 94.0100**.

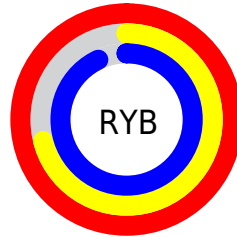
Distribution



Red (100%)

Green (71%)

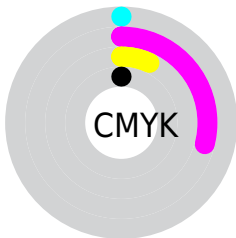
Blue (93%)



Red (100%)

Yellow (71%)

Blue (93%)

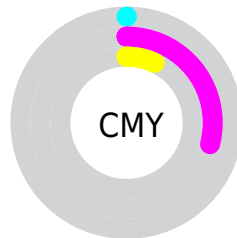


Cyan (0%)

Magenta (29%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7016, 59.9586, 87.0983 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 72.7016, 59.9586, 87.0983 by changing the saturation by 10% instead.


 72.7016, 59.9586,
87.0983

 72.7016, 59.9586,
87.0983


459.0998,
424.4452, 538.8704

 54.0195, 43.3853,
65.0165


 122.0589,
104.7696, 145.2012

 38.8480, 30.1875,
47.0230

153.4649,
133.7761, 182.0594

 26.8217, 19.9810,
32.6994

189.8428,
167.6957, 224.6801

 17.5752, 12.3812,
21.6270

231.5581,
206.9129, 273.4819

 10.7433, 7.0039,
13.3874

278.9760,
251.8120, 328.8832

 5.9605, 3.4645,
7.5620

332.4621,

 2.8615, 1.3788,

302.7775, 391.3028

3.7323

392.3815,
360.1938, 461.1590

■ 1.0810, 0.2010,
1.4796

■ 0.0091, 0.0000,
0.2027

■ 72.7016, 59.9586,
87.0983

■ 72.7016, 59.9586,
87.0983

■ 67.0978, 50.2259,
80.6836

■ 79.2889, 71.6036,
94.0100

■ 62.4212, 42.2941,
74.7429

■ 86.9041, 85.2497,
101.4327

■ 58.6158, 36.0515,
69.2566

95.0500, 100.0000,
108.9000

■ 55.6177, 31.3708,
64.2016

■ 53.3539, 28.1067,
59.5517

■ 51.7377, 26.0864,
55.2762

■ 50.6362, 25.0446,
51.3289

■ 50.5779, 24.9952,
51.1029

Harmonies

Analogous

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



66.5490, 59.9586, 110.8609



72.7016, 59.9586, 87.0983



74.4947, 59.9586, 61.7574

Triad

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



72.7016, 59.9586, 87.0983



55.7435, 59.9586, 29.4004



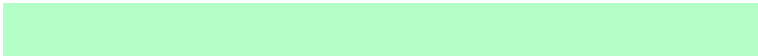
44.7805, 59.9586, 94.8596

Complementary

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



72.7016, 59.9586, 87.0983



64.8931, 85.3477, 67.0892

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.



42.4658, 59.9586, 68.9439



72.7016, 59.9586, 87.0983



48.3911, 59.9586, 34.3056

Square

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



72.7016, 59.9586, 87.0983



64.1685, 59.9586, 32.0188



43.7207, 59.9586, 47.4560



50.3658, 59.9586, 116.0538

Rectangle

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



72.7016, 59.9586, 87.0983



72.8428, 59.9586, 48.0543



43.7207, 59.9586, 47.4560



43.6202, 59.9586, 86.2082

Sweetspot

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



72.7029, 59.9610, 87.0995



87.2386, 85.8525, 101.7479



57.8605, 51.9734, 101.5900



18.4201, 17.9209, 21.5394



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.



72.7029, 59.9610, 87.0995



69.4517, 54.2900, 83.4529



67.8427, 58.0169, 61.5061



18.5845, 18.2171, 21.6952



26.4915, 13.0859, 27.0365



2.6234, 1.2917, 2.8643

Inverse Universe

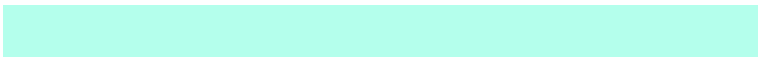
The Inverse Universe completely reimagines the original color for something new.



72.7029, 59.9610, 87.0995



69.4517, 54.2900, 83.4529



69.7606, 87.2947, 92.7213



18.5845, 18.2171, 21.6952



26.4915, 13.0859, 27.0365



2.6234, 1.2917, 2.8643

Previews

White Background



This preview shows how the XYZ color 72.7016, 59.9586, 87.0983 looks on a white background.

Color Contrast Check

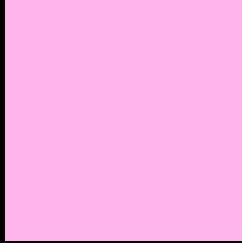
Large Text (above 18pt) WCAG AA × Fail

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 72.7016, 59.9586, 87.0983 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 72.7016, 59.9586, 87.0983

Background



This preview shows how black text looks on a background with the XYZ color 72.7016, 59.9586, 87.0983.



This preview shows how white text looks on a background with the XYZ color 72.7016, 59.9586,

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

72.7016, 59.9586, 87.0983

Protanopia

60.2713, 60.4126, 99.7509

Deuteranopia

61.7097, 60.4317, 85.5028



Tritanopia

67.8852, 59.8441, 63.2315

Trichromacy



Original Color

72.7016, 59.9586, 87.0983



Protanomaly

63.9507, 59.6845, 95.3385



Deuteranomaly

65.0650, 59.8085, 85.9568



Tritanomaly

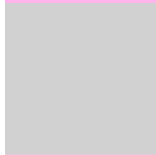
69.4230, 59.8315, 71.5080

Monochromacy



Original Color

72.7016, 59.9586, 87.0983



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

64.3443, 61.6714, 75.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7016, 59.9586, 87.0983 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.7016, 59.9586, 87.0983 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, 236) }
```


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

```
.border{ border-color:rgb(255, 180, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7016, 59.9586, 87.0983 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
180, 236) }
```

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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