

Converting Colors

XYZ(67.7828, 59.5015, 82.2770)

Have a look what the booklet for
XYZ(67.7828, 59.5015, 82.2770)
contains.

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Color

**XYZ(67.6369, 59.3002,
82.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	F0BAE5
RGB	240, 186, 229
RGB Percent	94%, 73%, 90%
CMY	0.0588, 0.2706, 0.1020
CMYK	0.00, 0.22, 0.05, 0.06
HSL	312°, 64%, 84%
HSV	312°, 22%, 94%
XYZ	67.6369, 59.3002, 82.0100
YIQ	207.0480, 18.3810, 24.8210

Conversions

Conversions Part 2

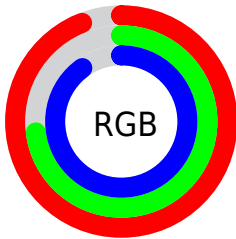
Format	Color
R _Y B	240, 186, 229
Decimal	15776485
CIE Lab	81.46, 26.32, -13.94
CIE LCh	81, 29.788, 332.094
Yxy	59.3002, 0.3237, 0.2838
Android (android.graphics.Color)	4293966565 (0xFFFF0BAE5)
YUV	207.0480, 10.8223, 28.8989
Hunter-Lab	77.0066, 22.0196, -9.2376

Details

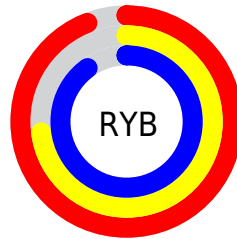
The XYZ color **67.6369, 59.3002, 82.0100** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.4902, 76.7921, 64.4081**, and the grayscale version is **59.2648, 62.3512, 67.9004**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **35.4197, 29.6258, 43.8959** is the 20% darker color. If you saturate the color by 10%, you get **62.3266, 49.7559, 76.9195**, and if you desaturate by 10%, it is **73.8191, 70.5557, 87.4874**.

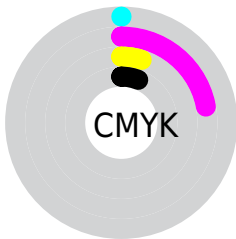
Distribution



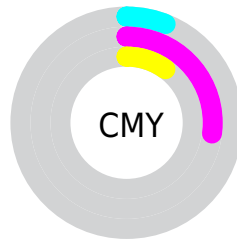
- Red (94%)
- Green (73%)
- Blue (90%)



- Red (94%)
- Yellow (73%)
- Blue (90%)



- Cyan (0%)
- Magenta (22%)
- Yellow (5%)
- Black (6%)





- Cyan (6%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6369, 59.3002, 82.0100 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 67.6369, 59.3002, 82.0100 by changing the saturation by 10% instead.


 67.6369, 59.3002,
82.0100

 67.6369, 59.3002,
82.0100


441.6054,
422.0135, 521.5655

 49.8750, 42.8548,
60.8379


 114.8773,
103.8138, 138.0248

 35.5315, 29.7712,
43.6647

145.0865,
132.6509, 173.7047

 24.2410, 19.6650,
30.0717


180.1756,
166.3873, 215.0575

 15.6382, 12.1518,
19.6405

220.5098,
205.4075, 262.5018

 9.3577, 6.8471,
11.9525

266.4545,
250.0958, 316.4563

 5.0342, 3.3667,
6.5892

318.3751,

 2.3023, 1.3260,

300.8366, 377.3393

3.1320

376.6369,
358.0144, 445.5696

0.7958, 0.1612,
1.1624

0.0000, 0.0000,
0.0000

67.6369, 59.3002,
82.0100

67.6369, 59.3002,
82.0100

62.3266, 49.7559,
76.9195

73.8191, 70.5557,
87.4874

57.8403, 41.8302,
72.1971

80.9075, 83.5934,
93.3617

54.1337, 35.4334,
67.8279

87.9745, 96.5570,
99.3254

51.1559, 30.4641,
63.7942

88.7256, 96.8575,
103.2808

■ 48.8498, 26.8088,
60.0761

■ 89.4966, 97.1659,
107.3408

■ 47.1500, 24.3362,
56.6511

■ 89.7456, 97.2655,
108.6518

■ 45.9770, 22.8882,
53.4917

■ 45.3515, 22.2918,
51.2651

Harmonies

Analogous

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



62.9766, 59.3002, 98.2473



67.6369, 59.3002, 82.0100



69.2145, 59.3002, 63.3215

Triad

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



67.6369, 59.3002, 82.0100



55.9262, 59.3002, 35.9719



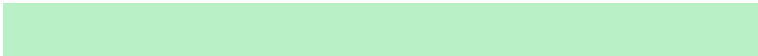
46.8031, 59.3002, 84.5848

Complementary

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



67.6369, 59.3002, 82.0100



61.4902, 76.7921, 64.4081

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.



45.2098, 59.3002, 65.8304



67.6369, 59.3002, 82.0100



50.2296, 59.3002, 39.6267

Square

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



67.6369, 59.3002, 82.0100



62.1632, 59.3002, 38.7276



46.4172, 59.3002, 49.7927



50.9354, 59.3002, 99.9163

Rectangle

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



67.6369, 59.3002, 82.0100



68.2189, 59.3002, 52.4942



46.4172, 59.3002, 49.7927



45.9672, 59.3002, 78.3639

Sweetspot

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



67.6387, 59.3028, 82.0113



89.0376, 88.9033, 104.0348



56.2633, 53.2554, 89.7529



18.9521, 18.8346, 22.1803



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.



67.6387, 59.3028, 82.0113



74.7038, 62.7904, 91.3811



64.1805, 57.9196, 63.8009



16.3082, 15.9730, 19.1794



24.8751, 12.2225, 28.3227



2.1038, 1.0306, 2.5376

Inverse Universe

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



67.6387, 59.3028, 82.0113



74.7038, 62.7904, 91.3811



64.8392, 78.1318, 82.0442



16.3082, 15.9730, 19.1794



24.8751, 12.2225, 28.3227



2.1038, 1.0306, 2.5376

Previews

White Background



This preview shows how the XYZ color 67.6369, 59.3002, 82.0100 looks on a white background.

Color Contrast Check

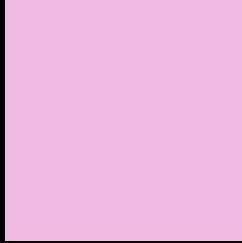
Large Text (above 18pt) WCAG AA × Fail

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 67.6369, 59.3002, 82.0100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

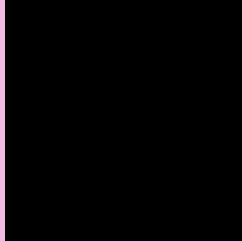
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6369, 59.3002, 82.0100

Background



This preview shows how black text looks on a background with the XYZ color 67.6369, 59.3002, 82.0100.



This preview shows how white text looks on a background with the XYZ color 67.6369, 59.3002,

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

67.6369, 59.3002, 82.0100

Protanopia

58.9723, 59.6074, 90.0586

Deuteranopia

60.6953, 59.3274, 80.9254



Tritanopia

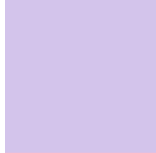
64.3580, 59.2392, 65.7999

Trichromacy



Original Color

67.6369, 59.3002, 82.0100



Protanomaly

61.5993, 59.3269, 86.8019



Deuteranomaly

63.1978, 59.2710, 81.5083



Tritanomaly

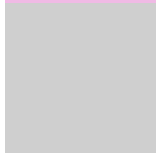
65.5951, 59.4274, 71.6317

Monochromacy



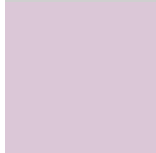
Original Color

67.6369, 59.3002, 82.0100



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

61.9026, 60.8132, 72.7655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6369, 59.3002, 82.0100 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, 186, 229)` looks like.

```
.text, #text, p{  
    color:rgb(240, 186, 229)  
}
```

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, 186, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 186, 229) }
```

Border

The CSS property to change the border of an element to XYZ 67.6369, 59.3002, 82.0100 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, 186, 229) }
```


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

```
.border{ border-color:rgb(240, 186, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 186, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 186, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 186, 229);  
box-shadow:4px 4px 4px 4px rgb(240, 186,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6369, 59.3002, 82.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 186, 229) }
```

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

```
.background{ background-color: rgb(240,  
186, 229) }
```

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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