

Converting Colors

XYZ(87.1112, 64.8345,
197.2107)

Have a look what the booklet for
XYZ(87.1112, 64.8345, 197.2107)
contains.

XYZ(69.2963, 57.8670, 102.1249)	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(69.2963, 57.8670,
102.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB4FF
RGB	237, 180, 255
RGB Percent	93%, 71%, 100%
CMY	0.0706, 0.2941, 0.0000
CMYK	0.07, 0.29, 0.00, 0.00
HSL	286°, 100%, 85%
HSV	286°, 29%, 100%
XYZ	69.2963, 57.8670, 102.1249
YIQ	205.5930, 9.8970, 35.4090

Conversions

Conversions Part 2

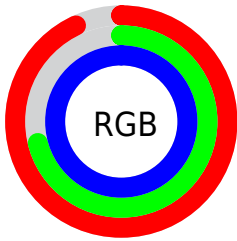
Format	Color
R _Y B	237, 180, 255
Decimal	15578367
CIE Lab	80.66, 33.36, -29.11
CIE LCh	81, 44.273, 318.889
Yxy	57.8670, 0.3022, 0.2524
Android (android.graphics.Color)	4293768447 (0xFFEDB4FF)
YUV	205.5930, 24.3577, 27.5439
Hunter-Lab	76.0704, 29.4814, -26.3479

Details

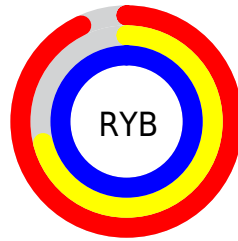
The XYZ color **69.2963, 57.8670, 102.1249** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.2882, 86.8217, 56.3945**, and the grayscale version is **58.2527, 61.2863, 66.7408**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **36.6048, 28.9593, 57.0865** is the 20% darker color. If you saturate the color by 10%, you get **62.6061, 47.4676, 100.4702**, and if you desaturate by 10%, it is **77.0065, 70.2010, 104.0992**.

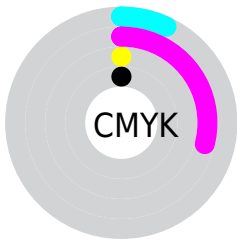
Distribution



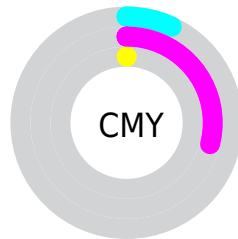
- Red (93%)
- Green (71%)
- Blue (100%)



- Red (93%)
- Yellow (71%)
- Blue (100%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2963, 57.8670, 102.1249 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 69.2963, 57.8670, 102.1249 by changing the saturation by 10% instead.

69.2963, 57.8670,
102.1249

69.2963, 57.8670,
102.1249

447.3804,
416.6902, 588.2888

51.2306, 41.7017,
77.4496

117.2364,
101.7292, 166.1515

36.6139, 28.8678,
57.1082

147.8416,
130.1948, 206.3399

25.0810, 18.9808,
40.6821

183.3572,
163.5294, 252.5363

16.2665, 11.6564,
27.7530

224.1487,
202.1174, 305.1594

9.8050, 6.5102,
17.9021

270.5814,
246.3430, 364.6276

5.3311, 3.1577,
10.7110

323.0207,

2.4796, 1.2146,

296.5908, 431.3596

5.7611

381.8319,
353.2450, 505.7738

■ 0.8850, 0.0736,
2.6340

■ 0.0000, 0.0000,
0.9099

■ 69.2963, 57.8670,
102.1249

■ 69.2963, 57.8670,
102.1249

■ 62.6061, 47.4676,
100.4702

■ 77.0065, 70.2010,
104.0992

■ 56.8783, 38.8912,
99.1167

■ 85.7804, 84.5588,
106.4081

■ 52.0567, 32.0260,
98.0457

95.0500, 100.0000,
108.9000

■ 48.0772, 26.7444,
97.2360

■ 44.8664, 22.9009,
96.6633

■ 42.3373, 20.3226,
96.2990

■ 40.3566, 18.7437,
96.0986

■ 40.2476, 18.6633,
96.0888

Harmonies

Analogous

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



60.8743, 57.8670, 123.4559



69.2963, 57.8670, 102.1249



74.0609, 57.8670, 73.1874

Triad

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



69.2963, 57.8670, 102.1249



58.4492, 57.8670, 25.4637



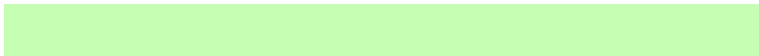
40.0243, 57.8670, 80.7008

Complementary

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



69.2963, 57.8670, 102.1249



67.2882, 86.8217, 56.3945

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.



39.5283, 57.8670, 53.8179



69.2963, 57.8670, 102.1249



49.5179, 57.8670, 26.4395

Square

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



69.2963, 57.8670, 102.1249



67.3530, 57.8670, 32.2424



42.8205, 57.8670, 35.4229



44.2595, 57.8670, 108.9158

Rectangle

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



69.2963, 57.8670, 102.1249



74.2049, 57.8670, 55.5626



42.8205, 57.8670, 35.4229



39.4337, 57.8670, 71.0890

Sweetspot

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



69.2980, 57.8694, 102.1253



86.1633, 85.1917, 106.5101



57.2404, 57.6575, 102.7199



18.1533, 17.7570, 22.7206



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.



69.2980, 57.8694, 102.1253



65.4351, 51.8232, 101.1618



72.7391, 59.9753, 87.2910



18.3416, 18.0679, 22.7707



21.1707, 9.8244, 50.2151



2.1586, 1.0067, 4.8938

Inverse Universe

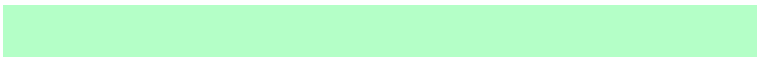
The Inverse Universe completely reimagines the original color for something new.



67.7556, 57.9819, 61.0484



63.8186, 52.0367, 53.7891



64.8638, 85.3360, 66.9359



18.1880, 18.0585, 19.6074



22.0399, 11.3053, 3.5947



2.1865, 1.1170, 0.5636

Previews

White Background



This preview shows how the XYZ color 69.2963, 57.8670, 102.1249 looks on a white background.

Color Contrast Check

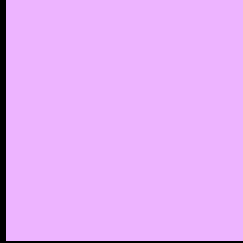
Large Text (above 18pt) WCAG AA × Fail

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 69.2963, 57.8670, 102.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

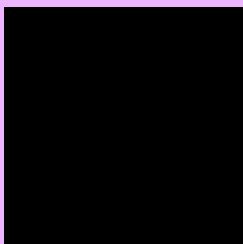
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2963, 57.8670, 102.1249

Background



This preview shows how black text looks on a background with the XYZ color 69.2963, 57.8670, 102.1249.

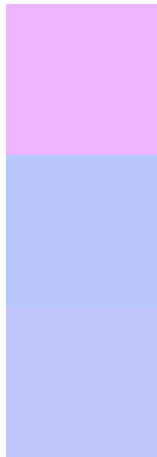


This preview shows how white text looks on a background with the XYZ color 69.2963, 57.8670,

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

69.2963, 57.8670, 102.1249

Protanopia

58.4810, 58.3811, 102.7941

Deuteranopia

59.5293, 58.2982, 100.2106



Tritanopia

61.9457, 58.0095, 65.0588

Trichromacy



Original Color

69.2963, 57.8670, 102.1249



Protanomaly

61.8015, 57.7566, 102.4986



Deuteranomaly

62.6549, 57.9088, 100.8037



Tritanomaly

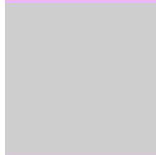
64.4825, 57.7692, 77.5640

Monochromacy



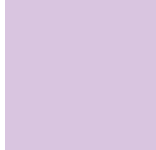
Original Color

69.2963, 57.8670, 102.1249



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.0361, 60.0660, 78.8453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2963, 57.8670, 102.1249 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(237, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 180, 255)  
}
```

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(237, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.2963, 57.8670, 102.1249 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(237, 180, 255) }
```


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

```
.border{ border-color:rgb(237, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2963, 57.8670, 102.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 180, 255) }
```

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

```
.background{ background-color: rgb(237,  
180, 255) }
```

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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