

Converting Colors

XYZ(71.5447, 58.9584,
111.3888)

Have a look what the booklet for
XYZ(71.5447, 58.9584, 111.3888)
contains.

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Color

**XYZ(69.6312, 58.0397,
102.1406)**

Conversions

Conversions Part 1

Format	Color
Hex	EEB4FF
RGB	238, 180, 255
RGB Percent	93%, 71%, 100%
CMY	0.0667, 0.2941, 0.0000
CMYK	0.07, 0.29, 0.00, 0.00
HSL	286°, 100%, 85%
HSV	286°, 29%, 100%
XYZ	69.6312, 58.0397, 102.1406
YIQ	205.8920, 10.4930, 35.6210

Conversions

Conversions Part 2

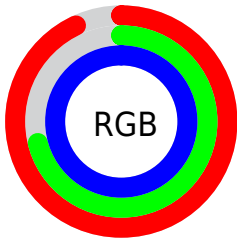
Format	Color
R _Y B	238, 180, 255
Decimal	15643903
CIE Lab	80.76, 33.67, -28.95
CIE LCh	81, 44.405, 319.303
Yxy	58.0397, 0.3030, 0.2526
Android (android.graphics.Color)	4293833983 (0xFFEEB4FF)
YUV	205.8920, 24.2102, 28.1587
Hunter-Lab	76.1838, 29.8255, -26.1622

Details

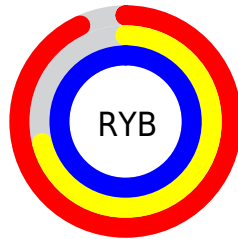
The XYZ color **69.6312, 58.0397, 102.1406** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.0255, 86.6862, 56.3823**, and the grayscale version is **58.4441, 61.4878, 66.9602**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **36.7100, 28.8227, 57.0546** is the 20% darker color. If you saturate the color by 10%, you get **63.0401, 47.6914, 100.4905**, and if you desaturate by 10%, it is **77.2349, 70.3188, 104.1099**.

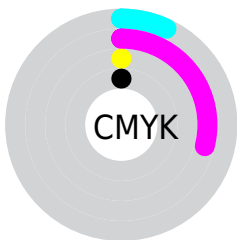
Distribution



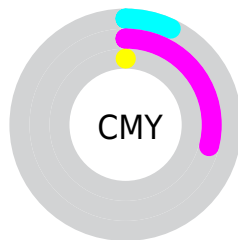
- Red (93%)
- Green (71%)
- Blue (100%)



- 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 69.6312, 58.0397, 102.1406 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 69.6312, 58.0397, 102.1406 by changing the saturation by 10% instead.

69.6312, 58.0397,
102.1406

69.6312, 58.0397,
102.1406

448.5407,
417.3338, 588.3392

51.5044, 41.8406,
77.4626

117.7118,
101.9807, 166.1732

36.8329, 28.9765,
57.1188

148.3964,
130.4913, 206.3650

25.2512, 19.0630,
40.6906

183.9976,
163.8745, 252.5650

16.3940, 11.7158,
27.7596

224.8808,
202.5148, 305.1920

9.8960, 6.5505,
17.9070

271.4113,
246.7965, 364.6643

5.3918, 3.1826,
10.7145

323.9546,

2.5160, 1.2278,

297.1039, 431.4006

5.7635

382.8759,
353.8216, 505.8194

■ 0.9034, 0.0842,
2.6353

■ 0.0000, 0.0000,
0.9106

■ 69.6312, 58.0397,
102.1406

■ 69.6312, 58.0397,
102.1406

■ 63.0401, 47.6914,
100.4905

■ 77.2349, 70.3188,
104.1099

■ 57.4040, 39.1623,
99.1413

■ 85.8947, 84.6178,
106.4135

■ 52.6669, 32.3406,
98.0742

95.0500, 100.0000,
108.9000

■ 48.7648, 27.0989,
97.2682

■ 45.6245, 23.2917,
96.6988

■ 43.1590, 20.7461,
96.3374

■ 41.2351, 19.1966,
96.1397

■ 41.1292, 19.1177,
96.1301

Harmonies

Analogous

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



61.1969, 58.0397, 123.7860



69.6312, 58.0397, 102.1406



74.3532, 58.0397, 73.0321

Triad

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



69.6312, 58.0397, 102.1406



58.5005, 58.0397, 25.4483



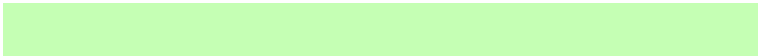
40.1506, 58.0397, 81.3871

Complementary

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



69.6312, 58.0397, 102.1406



67.0255, 86.6862, 56.3823

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.



39.5995, 58.0397, 54.2841



69.6312, 58.0397, 102.1406



49.5431, 58.0397, 26.5321

Square

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



69.6312, 58.0397, 102.1406



67.4702, 58.0397, 32.1379



42.8555, 58.0397, 35.6716



44.4550, 58.0397, 109.6942

Rectangle

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



69.6312, 58.0397, 102.1406



74.4440, 58.0397, 55.3838



42.8555, 58.0397, 35.6716



39.5398, 58.0397, 71.7090

Sweetspot

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



69.6329, 58.0421, 102.1409



86.2728, 85.2481, 106.5152



56.9545, 57.0857, 102.6246



18.1804, 17.7710, 22.7219



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.



69.6329, 58.0421, 102.1409



65.8262, 52.0248, 101.1801



72.5579, 59.9029, 86.3365



18.3663, 18.0806, 22.7718



21.6266, 10.0594, 50.2364



2.1995, 1.0278, 4.8957

Inverse Universe

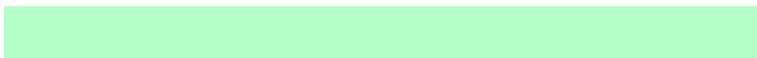
The Inverse Universe completely reimagines the original color for something new.



67.6407, 57.9360, 60.4429



63.6915, 51.9859, 53.1200



65.0094, 85.3942, 67.7023



18.1780, 18.0545, 19.5543



21.9912, 11.2858, 3.3384



2.1805, 1.1146, 0.5318

Previews

White Background



This preview shows how the XYZ color 69.6312, 58.0397, 102.1406 looks on a white background.

Color Contrast Check

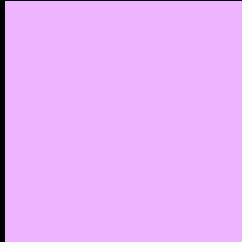
Large Text (above 18pt) WCAG AA × Fail

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 69.6312, 58.0397, 102.1406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

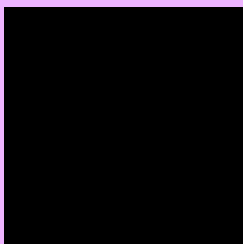
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6312, 58.0397, 102.1406

Background



This preview shows how black text looks on a background with the XYZ color 69.6312, 58.0397, 102.1406.

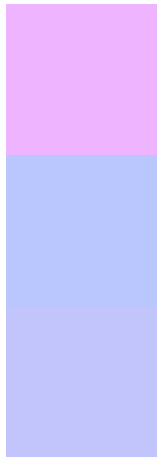


This preview shows how white text looks on a background with the XYZ color 69.6312, 58.0397,

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

69.6312, 58.0397, 102.1406

Protanopia

58.7231, 58.5060, 102.8055

Deuteranopia

59.7851, 58.4301, 100.2226



Tritanopia

62.2675, 58.1755, 65.0739

Trichromacy



Original Color

69.6312, 58.0397, 102.1406



Protanomaly

62.0765, 57.8984, 102.5115



Deuteranomaly

62.9388, 58.0551, 100.8170



Tritanomaly

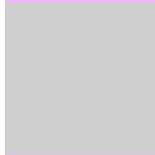
64.8099, 57.9379, 77.5793

Monochromacy



Original Color

69.6312, 58.0397, 102.1406



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.3342, 60.2197, 78.8592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6312, 58.0397, 102.1406 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(238, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.6312, 58.0397, 102.1406 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(238, 180, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6312, 58.0397, 102.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 180, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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