

Converting Colors

XYZ(66.8113, 58.3115,
102.3417)

Have a look what the booklet for
XYZ(66.8113, 58.3115, 102.3417)
contains.

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Color

**XYZ(66.9729, 58.5066,
102.3708)**

Conversions

Conversions Part 1

Format	Color
Hex	E2BAFF
RGB	226, 186, 255
RGB Percent	89%, 73%, 100%
CMY	0.1137, 0.2706, 0.0000
CMYK	0.11, 0.27, 0.00, 0.00
HSL	275°, 100%, 86%
HSV	275°, 27%, 100%
XYZ	66.9729, 58.5066, 102.3708
YIQ	205.8260, 1.6910, 29.9390

Conversions

Conversions Part 2

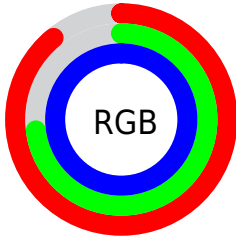
Format	Color
R _Y B	226, 186, 255
Decimal	14859007
CIE Lab	81.02, 26.74, -28.66
CIE LCh	81, 39.194, 313.020
Yxy	58.5066, 0.2939, 0.2568
Android (android.graphics.Color)	4293049087 (0xFFE2BAFF)
YUV	205.8260, 24.2428, 17.6926
Hunter-Lab	76.4896, 22.4345, -25.8088

Details

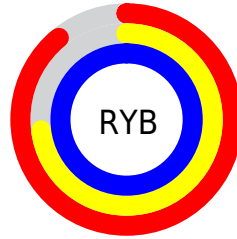
The XYZ color **66.9729, 58.5066, 102.3708** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.6487, 89.5129, 59.9059**, and the grayscale version is **58.4057, 61.4474, 66.9162**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **35.1581, 29.3983, 57.2475** is the 20% darker color. If you saturate the color by 10%, you get **58.8165, 47.0273, 100.5849**, and if you desaturate by 10%, it is **76.3014, 72.0161, 104.4867**.

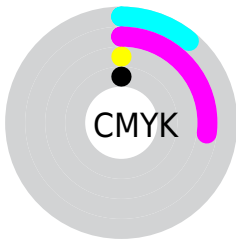
Distribution



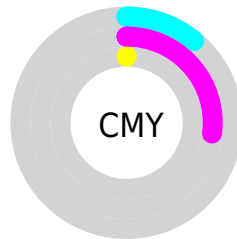
- Red (89%)
- Green (73%)
- Blue (100%)



- Red (89%)
- Yellow (73%)
- Blue (100%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9729, 58.5066, 102.3708 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 66.9729, 58.5066, 102.3708 by changing the saturation by 10% instead.

66.9729, 58.5066,
102.3708

66.9729, 58.5066,
102.3708

439.2823,
419.0710, 589.0787

49.3332, 42.2161,
77.6541

113.9316,
102.6602, 166.4916

35.0995, 29.2705,
57.2751

143.9813,
131.2921, 206.7328

23.9064, 19.2856,
40.8153

178.8984,
164.8065, 252.9859

15.3886, 11.8768,
27.8562

219.0483,
203.5879, 305.6694

9.1806, 6.6598,
17.9792

264.7962,
248.0207, 365.2019

4.9172, 3.2503,
10.7658

316.5077,

2.2330, 1.2638,

298.4892, 432.0019

5.7974

374.5479,
355.3778, 506.4880

■ 0.7601, 0.1129,
2.6555

■ 0.0000, 0.0000,
0.9209

■ 66.9729, 58.5066,
102.3708

■ 66.9729, 58.5066,
102.3708

■ 58.8165, 47.0273,
100.5849

■ 76.3014, 72.0161,
104.4867

■ 51.7722, 37.4670,
99.1109

■ 86.8477, 87.6449,
106.9475

■ 45.7822, 29.7148,
97.9303

95.0500, 100.0000,
108.9000

■ 40.7806, 23.6449,
97.0223

■ 36.6931, 19.1149,
96.3634

■ 33.4329, 15.9577,
95.9258

■ 30.8902, 13.9603,
95.6743

■ 30.2312, 13.4997,
95.6201

Harmonies

Analogous

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



59.2063, 58.5066, 118.0490



66.9729, 58.5066, 102.3708



71.9432, 58.5066, 77.6959

Triad

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



66.9729, 58.5066, 102.3708



60.3010, 58.5066, 29.7571



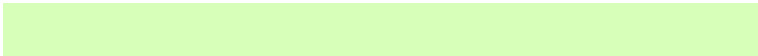
41.7239, 58.5066, 74.3342

Complementary

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



66.9729, 58.5066, 102.3708



72.6487, 89.5129, 59.9059

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.



41.9552, 58.5066, 51.5012



66.9729, 58.5066, 102.3708



52.1600, 58.5066, 29.2776

Square

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



66.9729, 58.5066, 102.3708



67.8413, 58.5066, 37.7765



45.6089, 58.5066, 36.2533



44.9428, 58.5066, 99.3987

Rectangle

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



66.9729, 58.5066, 102.3708



72.7295, 58.5066, 61.3733



45.6089, 58.5066, 36.2533



41.4107, 58.5066, 66.0924

Sweetspot

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



66.9746, 58.5090, 102.3712



85.7996, 86.0778, 106.7003



62.8319, 66.7217, 104.1747



18.0118, 17.8978, 22.7552



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.



66.9746, 58.5090, 102.3712



62.7992, 52.5865, 101.4481



76.1181, 63.3072, 98.9796



18.0118, 17.8978, 22.7552



15.9706, 7.1436, 49.9717



1.6797, 0.7598, 4.8714

Inverse Universe

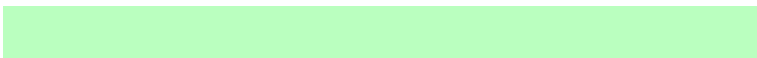
The Inverse Universe completely reimagines the original color for something new.



71.0661, 61.2864, 72.3759



67.6082, 55.8399, 66.6933



65.3714, 85.7039, 62.1595



18.3261, 18.1137, 20.3343



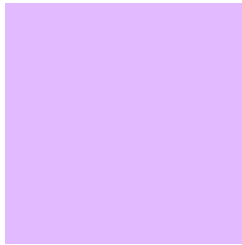
23.0109, 11.6936, 8.7077



2.2936, 1.1598, 1.1274

Previews

White Background



This preview shows how the XYZ color 66.9729, 58.5066, 102.3708 looks on a white background.

Color Contrast Check

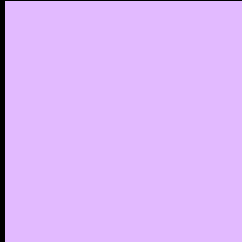
Large Text (above 18pt) WCAG AA × Fail

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 66.9729, 58.5066, 102.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

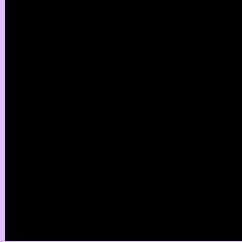
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9729, 58.5066, 102.3708

Background



This preview shows how black text looks on a background with the XYZ color 66.9729, 58.5066, 102.3708.



This preview shows how white text looks on a background with the XYZ color 66.9729, 58.5066,

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

66.9729, 58.5066, 102.3708

Protanopia

58.9669, 58.6316, 102.8169

Deuteranopia

59.9440, 58.4937, 101.0595



Tritanopia

60.3614, 58.7434, 69.1300

Trichromacy



Original Color

66.9729, 58.5066, 102.3708

Protanomaly

61.4292, 58.2211, 102.6079

Deuteranomaly

62.4130, 58.4175, 101.7521

Tritanomaly

62.7013, 58.7199, 79.9809

Monochromacy



Original Color

66.9729, 58.5066, 102.3708

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

61.3185, 60.3748, 78.9427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9729, 58.5066, 102.3708 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(226, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 186, 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(226, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.9729, 58.5066, 102.3708 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(226, 186, 255) }
```


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

```
.border{ border-color:rgb(226, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9729, 58.5066, 102.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 186, 255) }
```

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

```
.background{ background-color: rgb(226,  
186, 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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