

Converting Colors

XYZ(67.0009, 48.4831, 85.4265)

Have a look what the booklet for
XYZ(67.0009, 48.4831, 85.4265)
contains.

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Color

**XYZ(66.9702, 48.4959,
85.1878)**

Conversions

Conversions Part 1

Format	Color
Hex	FF94EC
RGB	255, 148, 236
RGB Percent	100%, 58%, 93%
CMY	0.0000, 0.4196, 0.0745
CMYK	0.00, 0.42, 0.07, 0.00
HSL	311°, 100%, 79%
HSV	311°, 42%, 100%
XYZ	66.9702, 48.4959, 85.1878
YIQ	190.0250, 35.5240, 50.0520

Conversions

Conversions Part 2

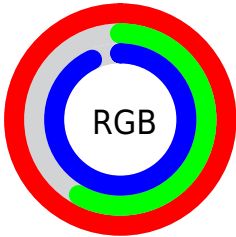
Format	Color
R _Y B	255, 148, 236
Decimal	16749804
CIE Lab	75.14, 52.09, -27.16
CIE LCh	75, 58.747, 332.465
Yxy	48.4959, 0.3338, 0.2417
Android (android.graphics.Color)	4294939884 (0xFFFF94EC)
YUV	190.0250, 22.6657, 56.9831
Hunter-Lab	69.6390, 49.7910, -23.7808

Details

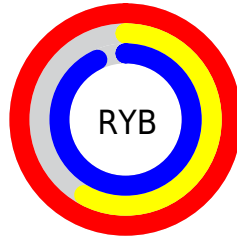
The XYZ color **66.9702, 48.4959, 85.1878** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.9494, 80.6067, 49.2242**, and the grayscale version is **48.8185, 51.3608, 55.9319**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **35.0059, 23.0365, 45.7815** is the 20% darker color. If you saturate the color by 10%, you get **62.7525, 41.0999, 80.5775**, and if you desaturate by 10%, it is **72.0877, 57.6643, 90.1815**.

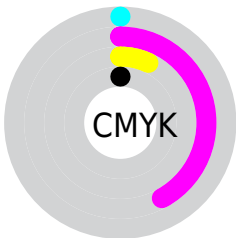
Distribution



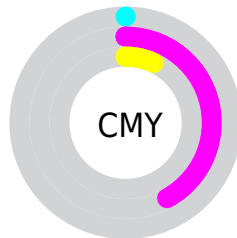
- Red (100%)
- Green (58%)
- Blue (93%)



- Red (100%)
- Yellow (58%)
- Blue (93%)



- Cyan (0%)
- Magenta (42%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9702, 48.4959, 85.1878 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 66.9702, 48.4959, 85.1878 by changing the saturation by 10% instead.


 66.9702, 48.4959,
85.1878


 66.9702, 48.4959,
85.1878


439.2728,
380.7544, 532.4101

 49.3310, 34.2198,
63.4455

 113.9277, 87.9423,
142.5120

 35.0978, 23.0625,
45.7584


 143.9768,
113.8813, 178.9311

 23.9051, 14.6396,
31.7079


178.8932,
144.4768, 221.0794

 15.3876, 8.5669,
20.8755

219.0423,
180.1131, 269.3756

 9.1799, 4.4598,
12.8427

264.7895,
221.1746, 324.2383

 4.9168, 1.9339,
7.1909

316.5001,

 2.2328, 0.5687,

268.0457, 386.0859

3.5015

374.5394,
321.1109, 455.3370

■ 0.7599, 0.0000,
1.3561

■ 0.0000, 0.0000,
0.1071

■ 66.9702, 48.4959,
85.1878

■ 66.9702, 48.4959,
85.1878

■ 62.7525, 41.0999,
80.5775

■ 72.0877, 57.6643,
90.1815

■ 59.3727, 35.3535,
76.3276

■ 78.1550, 68.7057,
95.5742

■ 56.7663, 31.1274,
72.4166

■ 85.2222, 81.7199,
101.3836

■ 54.8575, 28.2706,
68.8186

■ 93.3350, 96.7980,
107.6256

■ 53.5552, 26.6008, 95.0500, 100.0000,
65.5027 108.9000

■ 52.8379, 25.8992,
63.0036

Harmonies

Analogous

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



58.1093, 48.4959, 120.1927



66.9702, 48.4959, 85.1878



69.9950, 48.4959, 50.2975

Triad

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



66.9702, 48.4959, 85.1878



45.2103, 48.4959, 12.9833



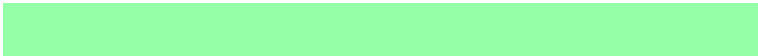
30.7550, 48.4959, 91.4013

Complementary

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



66.9702, 48.4959, 85.1878



54.9494, 80.6067, 49.2242

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.



28.3665, 48.4959, 55.3920



66.9702, 48.4959, 85.1878



35.8607, 48.4959, 16.9395

Square

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



66.9702, 48.4959, 85.1878



56.3301, 48.4959, 15.7737



30.0809, 48.4959, 29.8840



37.1796, 48.4959, 124.6541

Rectangle

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



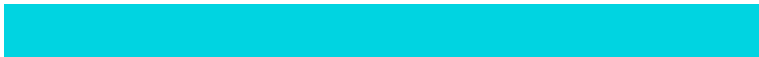
66.9702, 48.4959, 85.1878



67.9669, 48.4959, 33.2521



30.0809, 48.4959, 29.8840



29.5029, 48.4959, 78.8216

Sweetspot

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



66.9713, 48.4979, 85.1888



84.4380, 80.2695, 100.7586



44.3329, 36.4912, 99.3147



17.7255, 16.5389, 21.2863



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.



66.9713, 48.4979, 85.1888



63.5107, 42.4149, 81.4515



60.4481, 45.8886, 50.8380



18.6461, 18.2417, 22.0194



27.6593, 13.5530, 33.1861



2.7277, 1.3334, 3.4134

Inverse Universe

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



66.9713, 48.4979, 85.1888



63.5107, 42.4149, 81.4515



60.8042, 82.9486, 80.0555



18.6461, 18.2417, 22.0194



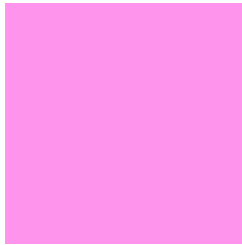
27.6593, 13.5530, 33.1861



2.7277, 1.3334, 3.4134

Previews

White Background



This preview shows how the XYZ color 66.9702, 48.4959, 85.1878 looks on a white background.

Color Contrast Check

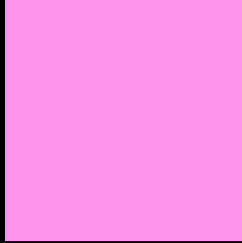
Large Text (above 18pt) WCAG AA × Fail

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 66.9702, 48.4959, 85.1878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

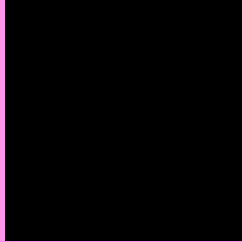
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9702, 48.4959, 85.1878

Background



This preview shows how black text looks on a background with the XYZ color 66.9702, 48.4959, 85.1878.



This preview shows how white text looks on a background with the XYZ color 66.9702, 48.4959,

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

66.9702, 48.4959, 85.1878

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.0669, 48.9928, 81.6807



Tritanopia

58.9991, 48.4633, 45.7799

Trichromacy



Original Color

66.9702, 48.4959, 85.1878



Protanomaly

54.3440, 47.3971, 95.0913



Deuteranomaly

54.9526, 47.9855, 82.7097



Tritanomaly

61.6359, 48.2717, 58.2934

Monochromacy



Original Color

66.9702, 48.4959, 85.1878



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.3240, 49.4611, 65.7152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9702, 48.4959, 85.1878 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, 148, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 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, 148, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 236) }
```

Border

The CSS property to change the border of an element to XYZ 66.9702, 48.4959, 85.1878 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, 148, 236) }
```


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

```
.border{ border-color:rgb(255, 148, 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, 148, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9702, 48.4959, 85.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 236) }
```

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

```
.background{ background-color: rgb(255,  
148, 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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