

Converting Colors

XYZ(97.2407, 63.9265, 90.4228)

Have a look what the booklet for
XYZ(97.2407, 63.9265, 90.4228)
contains.

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Color

**XYZ(67.7071, 48.7907,
89.0681)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF94F1 |
| RGB | 255, 148, 241 |
| RGB Percent | 100%, 58%, 95% |
| CMY | 0.0000, 0.4196, 0.0549 |
| CMYK | 0.00, 0.42, 0.05, 0.00 |
| HSL | 308°, 100%, 79% |
| HSV | 308°, 42%, 100% |
| XYZ | 67.7071, 48.7907, 89.0681 |
| YIQ | 190.5950, 33.9190, 51.6070 |

Conversions

Conversions Part 2

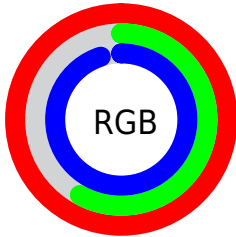
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 255, 148, 241 |
| Decimal | 16749809 |
| CIE _{Lab} | 75.32, 52.92, -29.60 |
| CIE _{LCh} | 75, 60.638, 330.784 |
| Yxy | 48.7907, 0.3294, 0.2373 |
| Android (android.graphics.Color) | 4294939889 (0xFFFF94F1) |
| YUV | 190.5950, 24.8497, 56.4832 |
| Hunter-Lab | 69.8503, 50.7849, -26.7071 |

Details

The XYZ color **67.7071, 48.7907, 89.0681** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.4959, 80.4253, 46.8363**, and the grayscale version is **49.1353, 51.6941, 56.2949**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **35.5246, 23.2440, 48.5131** is the 20% darker color. If you saturate the color by 10%, you get **63.6452, 41.4570, 85.2782**, and if you desaturate by 10%, it is **72.6612, 57.8938, 93.2017**.

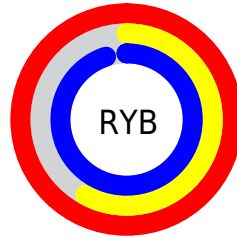
Distribution



Red (100%)

Green (58%)

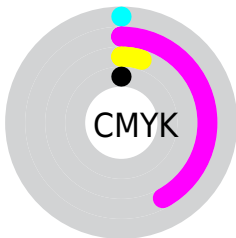
Blue (95%)



Red (100%)

Yellow (58%)

Blue (95%)

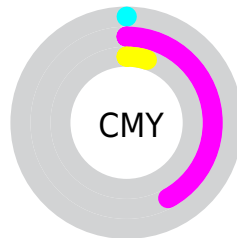


Cyan (0%)

Magenta (42%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7071, 48.7907, 89.0681 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 67.7071, 48.7907, 89.0681 by changing the saturation by 10% instead.


 67.7071, 48.7907,
89.0681


 67.7071, 48.7907,
89.0681


441.8506,
381.9178, 545.4864

 49.9323, 34.4535,
66.6386

 114.9772, 88.3805,
147.9675

 35.5772, 23.2422,
48.3313


 145.2033,
114.4019, 185.2744

 24.2764, 14.7724,
33.7274

180.3105,
145.0868, 228.3776

 15.6646, 8.6598,
22.4086

220.6641,
180.8196, 277.6957

 9.3765, 4.5200,
13.9563

266.6296,
221.9847, 333.6470

 5.0466, 1.9685,
7.9519

318.5722,

 2.3097, 0.5891,

268.9665, 396.6502

3.9768

376.8575,
322.1494, 467.1238

■ 0.7996, 0.0000,
1.6126

■ 0.0000, 0.0000,
0.2998

■ 67.7071, 48.7907,
89.0681

■ 67.7071, 48.7907,
89.0681

■ 63.6452, 41.4570,
85.2782

■ 72.6612, 57.8938,
93.2017

■ 60.4137, 35.7699,
81.8093

■ 78.5575, 68.8667,
97.6940

■ 57.9482, 31.6002,
78.6403

■ 85.4461, 81.8094,
102.5625

■ 56.1730, 28.7968,
75.7457

■ 93.3725, 96.8130,
107.8227

■ 54.9970, 27.1775,
73.0950

95.0500, 100.0000,
108.9000

■ 54.3760, 26.5144,
71.1034

Harmonies

Analogous

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



58.2305, 48.7907, 125.2256



67.7071, 48.7907, 89.0681



71.2742, 48.7907, 52.2890

Triad

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



67.7071, 48.7907, 89.0681



46.0813, 48.7907, 12.3520



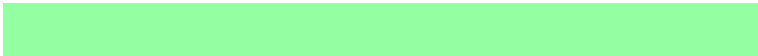
30.2914, 48.7907, 91.1377

Complementary

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



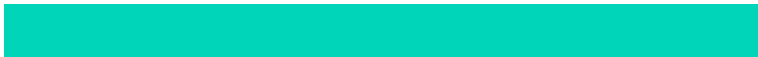
67.7071, 48.7907, 89.0681



54.4959, 80.4253, 46.8363

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.



28.0759, 48.7907, 53.9694



67.7071, 48.7907, 89.0681



36.2473, 48.7907, 15.9166

Square

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



67.7071, 48.7907, 89.0681



57.6411, 48.7907, 15.5434



30.0710, 48.7907, 28.4447



36.6802, 48.7907, 126.7197

Rectangle

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



67.7071, 48.7907, 89.0681



69.4354, 48.7907, 34.1854



30.0710, 48.7907, 28.4447



29.0844, 48.7907, 78.0172

Sweetspot

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



67.7082, 48.7927, 89.0691



84.6809, 80.3667, 102.0374



43.2360, 35.9258, 99.2633



17.7861, 16.5631, 21.6050



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.



67.7082, 48.7927, 89.0691



64.3735, 42.7600, 85.9946



61.0184, 46.1167, 53.8411



18.6844, 18.2571, 22.2210



28.4525, 13.8703, 37.3632



2.7976, 1.3614, 3.7814

Inverse Universe

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



67.7082, 48.7927, 89.0691



64.3735, 42.7600, 85.9946



60.1096, 82.6708, 76.3977



18.6844, 18.2571, 22.2210



28.4525, 13.8703, 37.3632



2.7976, 1.3614, 3.7814

Previews

White Background



This preview shows how the XYZ color 67.7071, 48.7907, 89.0681 looks on a white background.

Color Contrast Check

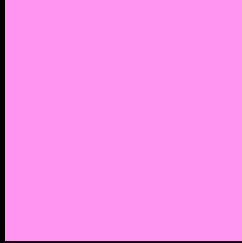
Large Text (above 18pt) WCAG AA × Fail

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 67.7071, 48.7907, 89.0681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

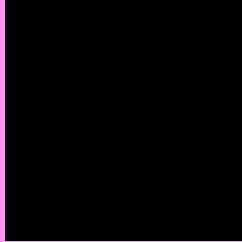
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7071, 48.7907, 89.0681

Background



This preview shows how black text looks on a background with the XYZ color 67.7071, 48.7907, 89.0681.



This preview shows how white text looks on a background with the XYZ color 67.7071, 48.7907,

89.0681.

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

67.7071, 48.7907, 89.0681

Protanopia

50.5003, 49.3935, 101.4800

Deuteranopia

50.0834, 48.9190, 85.3999



Tritanopia

58.9181, 48.6708, 46.3335

Trichromacy



Original Color

67.7071, 48.7907, 89.0681



Protanomaly

54.8442, 47.8983, 96.7972



Deuteranomaly

55.1144, 47.9857, 86.4781



Tritanomaly

61.6744, 48.5152, 59.5398

Monochromacy



Original Color

67.7071, 48.7907, 89.0681



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.5702, 49.5595, 67.0114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7071, 48.7907, 89.0681 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 241) }
```

Border

The CSS property to change the border of an element to XYZ 67.7071, 48.7907, 89.0681 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, 241) }
```


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

```
.border{ border-color:rgb(255, 148, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7071, 48.7907, 89.0681 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
148, 241) }
```

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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