

Converting Colors

XYZ(64.4673, 48.6847, 68.7780)

Have a look what the booklet for
XYZ(64.4673, 48.6847, 68.7780)
contains.

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Color

**XYZ(64.6415, 48.8466,
68.9721)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99D5
RGB	255, 153, 213
RGB Percent	100%, 60%, 84%
CMY	0.0000, 0.4000, 0.1647
CMYK	0.00, 0.40, 0.16, 0.00
HSL	325°, 100%, 80%
HSV	325°, 40%, 100%
XYZ	64.6415, 48.8466, 68.9721
YIQ	190.3380, 41.5320, 40.2840

Conversions

Conversions Part 2

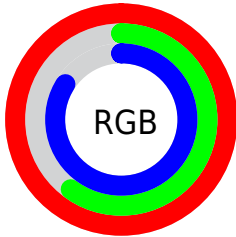
Format	Color
R_{YB}	255, 153, 213
Decimal	16751061
CIE _{Lab}	75.36, 45.93, -14.25
CIE _{LCh}	75, 48.091, 342.758
Yxy	48.8466, 0.3543, 0.2677
Android (android.graphics.Color)	4294941141 (0xFFFF99D5)
YUV	190.3380, 11.1724, 56.7086
Hunter-Lab	69.8903, 42.7864, -9.5878

Details

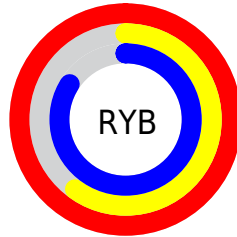
The XYZ color **64.6415, 48.8466, 68.9721** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.7491, 82.2333, 64.4093**, and the grayscale version is **49.0604, 51.6154, 56.2091**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **33.3983, 23.1281, 35.0516** is the 20% darker color. If you saturate the color by 10%, you get **59.6150, 40.8579, 60.9326**, and if you desaturate by 10%, it is **70.6484, 58.6575, 77.7654**.

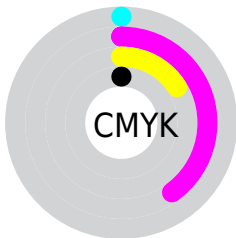
Distribution



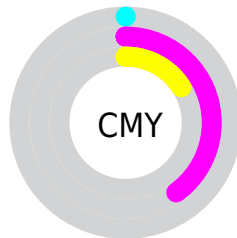
- Red (100%)
- Green (60%)
- Blue (84%)



- Red (100%)
- Yellow (60%)
- Blue (84%)



- Cyan (0%)
- Magenta (40%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6415, 48.8466, 68.9721 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 64.6415, 48.8466, 68.9721 by changing the saturation by 10% instead.


 64.6415, 48.8466,
68.9721


 64.6415, 48.8466,
68.9721


431.0682,
382.1381, 475.6238

 47.4341, 34.4978,
50.2174


 110.6029, 88.4636,
119.4091

 33.5883, 23.2763,
35.2138

 140.0875,
114.5006, 151.9284

 22.7389, 14.7977,
23.5427


174.3953,
145.2024, 189.8729

 14.5205, 8.6775,
14.7857

213.8915,
180.9535, 233.6613

 8.5677, 4.5314,
8.5242

258.9415,
222.1382, 283.7121

 4.5151, 1.9751,
4.3396

309.9108,

 1.9975, 0.5929,

269.1409, 340.4437

1.8134

367.1645,
322.3461, 404.2748

■ 0.6325, 0.0000,
0.4368

■ 0.0000, 0.0000,
0.0000

■ 64.6415, 48.8466,
68.9721

■ 64.6415, 48.8466,
68.9721

■ 59.6150, 40.8579,
60.9326

■ 70.6484, 58.6575,
77.7654

■ 55.5064, 34.5698,
53.6163

■ 77.6859, 70.3894,
87.3353

■ 52.2513, 29.8557,
46.9940

■ 85.8052, 84.1415,
97.7068

■ 49.7747, 26.5685,
41.0324

95.0500, 100.0000,
108.9000

■ 47.9874, 24.5327,
35.6929

■ 46.7449, 23.4621,
30.9183

■ 46.7447, 23.4619,
30.9171

Harmonies

Analogous

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



58.9593, 48.8466, 97.5721



64.6415, 48.8466, 68.9721



65.0720, 48.8466, 43.1370

Triad

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



64.6415, 48.8466, 68.9721



42.7713, 48.8466, 18.4166



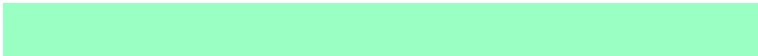
35.0242, 48.8466, 93.5878

Complementary

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



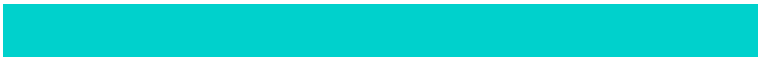
64.6415, 48.8466, 68.9721



58.7491, 82.2333, 64.4093

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.



31.7346, 48.8466, 64.6849



64.6415, 48.8466, 68.9721



35.8101, 48.8466, 24.8362

Square

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



64.6415, 48.8466, 68.9721



51.6540, 48.8466, 18.9075



32.0027, 48.8466, 40.0129



41.5655, 48.8466, 114.5979

Rectangle

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



64.6415, 48.8466, 68.9721



62.2517, 48.8466, 30.9411



32.0027, 48.8466, 40.0129



33.5411, 48.8466, 84.1395

Sweetspot

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



64.6426, 48.8487, 68.9731



84.0904, 81.2214, 95.5646



51.6401, 41.4480, 99.8863



17.7646, 16.9867, 20.1594



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.



64.6426, 48.8487, 68.9731



60.5438, 42.3141, 62.4798



59.2616, 46.6963, 40.6370



18.4577, 18.1664, 21.0272



24.5012, 12.2898, 16.5554



2.4399, 1.2184, 1.8982

Inverse Universe

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



64.6426, 48.8487, 68.9731



60.5438, 42.3141, 62.4798



65.3491, 84.8733, 99.1647



18.4577, 18.1664, 21.0272



24.5012, 12.2898, 16.5554



2.4399, 1.2184, 1.8982

Previews

White Background



This preview shows how the XYZ color 64.6415, 48.8466, 68.9721 looks on a white background.

Color Contrast Check

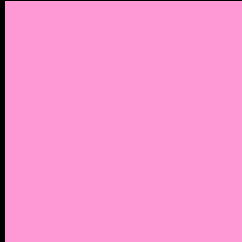
Large Text (above 18pt) WCAG AA × Fail

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 64.6415, 48.8466, 68.9721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

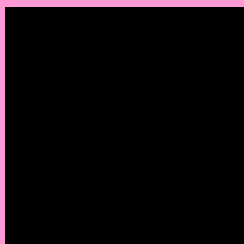
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6415, 48.8466, 68.9721

Background



This preview shows how black text looks on a background with the XYZ color 64.6415, 48.8466, 68.9721.



This preview shows how white text looks on a background with the XYZ color 64.6415, 48.8466,

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

64.6415, 48.8466, 68.9721

Protanopia

49.4473, 49.2202, 84.7362

Deuteranopia

50.1572, 49.0711, 66.5026



Tritanopia

60.0714, 49.0161, 45.8301

Trichromacy



Original Color

64.6415, 48.8466, 68.9721



Protanomaly

53.2996, 48.0746, 78.4216



Deuteranomaly

54.5147, 48.3779, 67.4374



Tritanomaly

61.4488, 48.7800, 53.7537

Monochromacy



Original Color

64.6415, 48.8466, 68.9721



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

53.6467, 49.8176, 60.2144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6415, 48.8466, 68.9721 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, 153, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 213)  
}
```

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, 153, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 213) }
```

Border

The CSS property to change the border of an element to XYZ 64.6415, 48.8466, 68.9721 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, 153, 213) }
```


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

```
.border{ border-color:rgb(255, 153, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6415, 48.8466, 68.9721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 213) }
```

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

```
.background{ background-color: rgb(255,  
153, 213) }
```

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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