

Converting Colors

XYZ(70.4786, 51.0061, 70.8635)

Have a look what the booklet for
XYZ(70.4786, 51.0061, 70.8635)
contains.

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Color

**XYZ(64.5410, 48.0306,
70.8349)**

Conversions

Conversions Part 1

Format	Color
Hex	FF96D8
RGB	255, 150, 216
RGB Percent	100%, 59%, 85%
CMY	0.0000, 0.4117, 0.1529
CMYK	0.00, 0.41, 0.15, 0.00
HSL	322°, 100%, 79%
HSV	322°, 41%, 100%
XYZ	64.5410, 48.0306, 70.8349
YIQ	188.9190, 41.3940, 42.7860

Conversions

Conversions Part 2

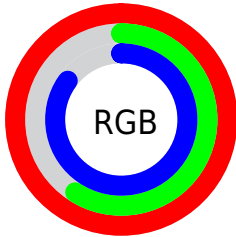
Format	Color
R_{YB}	255, 150, 216
Decimal	16750296
CIE _{Lab}	74.84, 47.91, -16.67
CIE _{LCh}	75, 50.724, 340.814
Yxy	48.0306, 0.3519, 0.2619
Android (android.graphics.Color)	4294940376 (0xFFFF96D8)
YUV	188.9190, 13.3509, 57.9530
Hunter-Lab	69.3041, 44.9499, -12.0867

Details

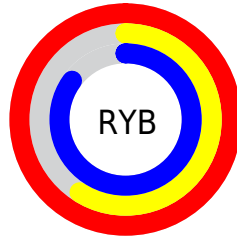
The XYZ color **64.5410, 48.0306, 70.8349** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.5248, 81.6790, 60.8811**, and the grayscale version is **48.2343, 50.7463, 55.2627**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **33.3808, 22.6747, 36.3355** is the 20% darker color. If you saturate the color by 10%, you get **59.7163, 40.2846, 63.3584**, and if you desaturate by 10%, it is **70.3240, 57.5796, 78.9802**.

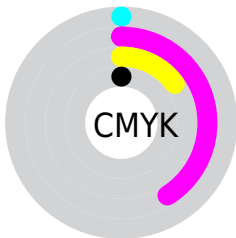
Distribution



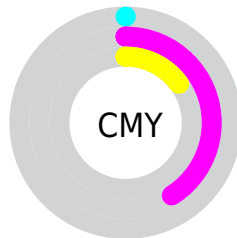
- Red (100%)
- Green (59%)
- Blue (85%)



- Red (100%)
- Yellow (59%)
- Blue (85%)



- Cyan (0%)
- Magenta (41%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5410, 48.0306, 70.8349 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 64.5410, 48.0306, 70.8349 by changing the saturation by 10% instead.


 64.5410, 48.0306,
70.8349


 64.5410, 48.0306,
70.8349


430.7120,
378.9134, 482.3442

 47.3523, 33.8511,
51.7265


 110.4591, 87.2500,
122.0909

 33.5234, 22.7792,
36.4064

 139.9192,
113.0586, 155.0755

 22.6888, 14.4306,
24.4560

174.2005,
143.5125, 193.5226

 14.4833, 8.4208,
15.4569

213.6683,
178.9959, 237.8507

 8.5415, 4.3653,
8.9905

258.6880,
219.8934, 288.4784

 4.4981, 1.8800,
4.6383

309.6249,

 1.9876, 0.5363,

266.5891, 345.8242

1.9816

366.8445,
319.4677, 410.3066

■ 0.6270, 0.0000,
0.5439

■ 0.0000, 0.0000,
0.0000

■ 64.5410, 48.0306,
70.8349

■ 64.5410, 48.0306,
70.8349

■ 59.7163, 40.2846,
63.3584

■ 70.3240, 57.5796,
78.9802

■ 55.7871, 34.2188,
56.5223

■ 77.1156, 69.0313,
87.8152

■ 52.6884, 29.7049,
50.2996

■ 84.9668, 82.4856,
97.3628

■ 50.3445, 26.5934,
44.6589

■ 93.9239, 98.0335,
107.6441

■ 48.6645, 24.7045,
39.5636

95.0500, 100.0000,
108.9000

■ 47.6099, 23.8079,
35.4733

Harmonies

Analogous

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



58.2569, 48.0306, 100.9465



64.5410, 48.0306, 70.8349



65.3891, 48.0306, 43.3316

Triad

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



64.5410, 48.0306, 70.8349



42.4032, 48.0306, 16.5822



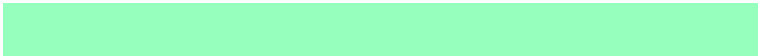
33.4979, 48.0306, 93.0320

Complementary

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



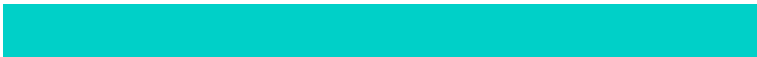
64.5410, 48.0306, 70.8349



57.5248, 81.6790, 60.8811

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.



30.3488, 48.0306, 62.4212



64.5410, 48.0306, 70.8349



35.0100, 48.0306, 22.4981

Square

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



64.5410, 48.0306, 70.8349



51.7337, 48.0306, 17.4910



30.8623, 48.0306, 37.3136



40.0660, 48.0306, 116.4584

Rectangle

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



64.5410, 48.0306, 70.8349



62.6463, 48.0306, 30.3488



30.8623, 48.0306, 37.3136



32.0472, 48.0306, 82.8811

Sweetspot

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



64.5422, 48.0327, 70.8359



84.2769, 81.2960, 96.5466



49.8209, 39.7903, 99.6622



17.8085, 17.0043, 20.3908



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.



64.5422, 48.0327, 70.8359



60.6870, 41.8216, 64.9284



58.8488, 45.7553, 40.8547



18.4897, 18.1792, 21.1960



24.9518, 12.4700, 18.9285



2.4823, 1.2353, 2.1214

Inverse Universe

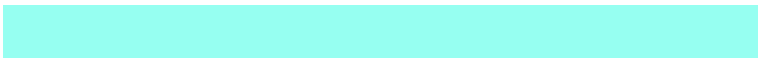
The Inverse Universe completely reimagines the original color for something new.



64.5422, 48.0327, 70.8359



60.6870, 41.8216, 64.9284



64.2162, 84.3556, 96.1175



18.4897, 18.1792, 21.1960



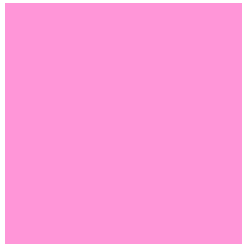
24.9518, 12.4700, 18.9285



2.4823, 1.2353, 2.1214

Previews

White Background



This preview shows how the XYZ color 64.5410, 48.0306, 70.8349 looks on a white background.

Color Contrast Check

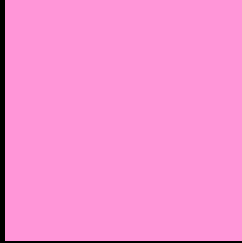
Large Text (above 18pt) WCAG AA × Fail

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 64.5410, 48.0306, 70.8349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

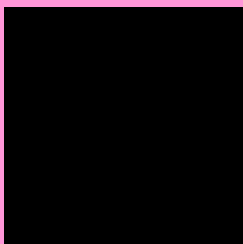
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5410, 48.0306, 70.8349

Background



This preview shows how black text looks on a background with the XYZ color 64.5410, 48.0306, 70.8349.



This preview shows how white text looks on a background with the XYZ color 64.5410, 48.0306,

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

64.5410, 48.0306, 70.8349

Protanopia

49.0910, 48.6450, 88.4634

Deuteranopia

49.3143, 48.2928, 68.3503



Tritanopia

59.1732, 48.0605, 44.6859

Trichromacy



Original Color

64.5410, 48.0306, 70.8349



Protanomaly

53.0741, 47.3128, 81.9363



Deuteranomaly

53.9298, 47.4762, 69.2722



Tritanomaly

61.0030, 48.0602, 53.0751

Monochromacy



Original Color

64.5410, 48.0306, 70.8349



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.0793, 48.9296, 60.6796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5410, 48.0306, 70.8349 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, 150, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 216)  
}
```

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, 150, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 216) }
```

Border

The CSS property to change the border of an element to XYZ 64.5410, 48.0306, 70.8349 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, 150, 216) }
```


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

```
.border{ border-color:rgb(255, 150, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5410, 48.0306, 70.8349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 216) }
```

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

```
.background{ background-color: rgb(255,  
150, 216) }
```

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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