

Converting Colors

XYZ(70.3086, 51.6653, 63.4400)

Have a look what the booklet for
XYZ(70.3086, 51.6653, 63.4400)
contains.

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Color

**XYZ(63.3673, 48.0761,
63.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	FF98CC
RGB	255, 152, 204
RGB Percent	100%, 60%, 80%
CMY	0.0000, 0.4039, 0.2000
CMYK	0.00, 0.40, 0.20, 0.00
HSL	330°, 100%, 80%
HSV	330°, 40%, 100%
XYZ	63.3673, 48.0761, 63.0665
YIQ	188.7250, 44.6960, 38.0080

Conversions

Conversions Part 2

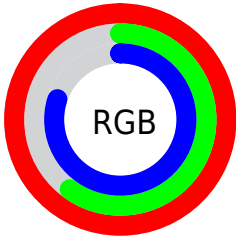
Format	Color
R _Y B	255, 152, 204
Decimal	16750796
CIE Lab	74.87, 45.10, -10.04
CIE LCh	75, 46.206, 347.453
Yxy	48.0761, 0.3631, 0.2755
Android (android.graphics.Color)	4294940876 (0xFFFF98CC)
YUV	188.7250, 7.5306, 58.1232
Hunter-Lab	69.3369, 41.7922, -5.3923

Details

The XYZ color **63.3673, 48.0761, 63.0665** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.4903, 82.5081, 69.2936**, and the grayscale version is **48.1544, 50.6622, 55.1711**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **32.6377, 22.6731, 31.5103** is the 20% darker color. If you saturate the color by 10%, you get **58.2110, 40.0897, 54.1764**, and if you desaturate by 10%, it is **69.5384, 57.8952, 72.9018**.

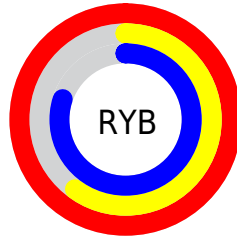
Distribution



Red (100%)

Green (60%)

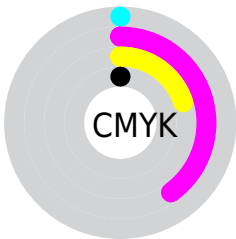
Blue (80%)



Red (100%)

Yellow (60%)

Blue (80%)

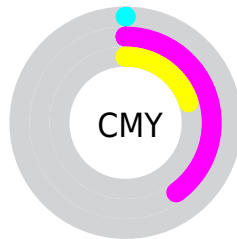


Cyan (0%)

Magenta (40%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3673, 48.0761, 63.0665 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 63.3673, 48.0761, 63.0665 by changing the saturation by 10% instead.


 63.3673, 48.0761,
63.0665


 63.3673, 48.0761,
63.0665


426.5398,
379.0937, 453.9254

 46.3982, 33.8872,
45.4537


 108.7781, 87.3177,
110.8519

 32.7661, 22.8069,
31.4694

 137.9504,
113.1391, 141.8616

 22.1057, 14.4510,
20.6951


171.9213,
143.6069, 178.1740

 14.0516, 8.4350,
12.7122

211.0559,
179.1053, 220.2077

 8.2385, 4.3745,
7.1023

255.7197,
220.0188, 268.3811

 4.3010, 1.8852,
3.4467

306.2781,

 1.8738, 0.5395,

266.7318, 323.1128

1.3270

363.0963,
319.6286, 384.8214

■ 0.5615, 0.0000,
0.0838

■ 0.0000, 0.0000,
0.0000

■ 63.3673, 48.0761,
63.0665

■ 63.3673, 48.0761,
63.0665

■ 58.2110, 40.0897,
54.1764

■ 69.5384, 57.8952,
72.9018

■ 54.0055, 33.8131,
46.1941

■ 76.7759, 69.6463,
83.7117

■ 50.6846, 29.1187,
39.0835

■ 85.1321, 83.4296,
95.5275

■ 48.1715, 25.8580,
32.8034

94.6548, 99.3361,
108.3780

■ 46.3750, 23.8535,
27.3074

95.0500, 100.0000,
108.9000

■ 45.1847, 22.8379,
22.7023

Harmonies

Analogous

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



58.6739, 48.0761, 90.3241



63.3673, 48.0761, 63.0665



62.9229, 48.0761, 39.6489

Triad

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



63.3673, 48.0761, 63.0665



41.0144, 48.0761, 19.4296



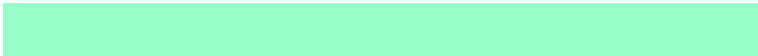
35.6090, 48.0761, 94.4166

Complementary

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



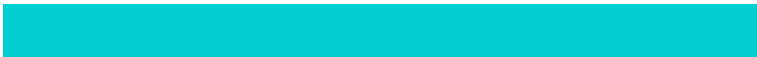
63.3673, 48.0761, 63.0665



59.4903, 82.5081, 69.2936

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.



31.9390, 48.0761, 67.5016



63.3673, 48.0761, 63.0665



34.7866, 48.0761, 26.8598

Square

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



63.3673, 48.0761, 63.0665



49.2988, 48.0761, 18.9046



31.6577, 48.0761, 42.9161



42.2710, 48.0761, 111.8164

Rectangle

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



63.3673, 48.0761, 63.0665



59.7723, 48.0761, 28.9322



31.6577, 48.0761, 42.9161



34.0219, 48.0761, 85.8627

Sweetspot

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



63.3685, 48.0783, 63.0674



83.7089, 81.0688, 93.5555



53.5787, 42.2054, 99.9303



17.6748, 16.9508, 19.6866



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.



63.3685, 48.0783, 63.0674



59.3545, 41.8384, 56.2170



58.2790, 46.0425, 36.2665



18.3920, 18.1401, 20.6812



23.6855, 11.9635, 12.2602



2.3613, 1.1869, 1.4842

Inverse Universe

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



63.3685, 48.0783, 63.0674



59.3545, 41.8384, 56.2170



66.4849, 85.3060, 106.1270



18.3920, 18.1401, 20.6812



23.6855, 11.9635, 12.2602



2.3613, 1.1869, 1.4842

Previews

White Background



This preview shows how the XYZ color 63.3673, 48.0761, 63.0665 looks on a white background.

Color Contrast Check

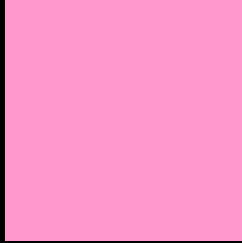
Large Text (above 18pt) WCAG AA × Fail

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 63.3673, 48.0761, 63.0665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

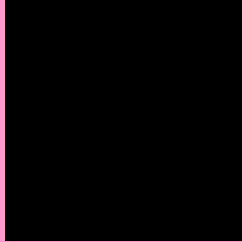
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.3673, 48.0761, 63.0665

Background



This preview shows how black text looks on a background with the XYZ color 63.3673, 48.0761, 63.0665.



This preview shows how white text looks on a background with the XYZ color 63.3673, 48.0761,

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

63.3673, 48.0761, 63.0665

Protanopia

48.2925, 48.4789, 77.3331

Deuteranopia

49.1939, 48.0995, 60.7242



Tritanopia

59.2662, 47.8652, 44.1455

Trichromacy



Original Color

63.3673, 48.0761, 63.0665



Protanomaly

52.4537, 47.4939, 72.0483



Deuteranomaly

53.3459, 47.3447, 61.5851



Tritanomaly

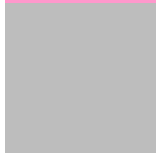
60.4768, 47.8498, 50.3044

Monochromacy



Original Color

63.3673, 48.0761, 63.0665



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

52.7035, 49.0918, 57.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3673, 48.0761, 63.0665 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, 152, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 204)  
}
```

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, 152, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 204) }
```

Border

The CSS property to change the border of an element to XYZ 63.3673, 48.0761, 63.0665 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, 152, 204) }
```


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

```
.border{ border-color:rgb(255, 152, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3673, 48.0761, 63.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 204) }
```

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

```
.background{ background-color: rgb(255,  
152, 204) }
```

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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