

Converting Colors

XYZ(64.9590, 48.9736, 70.6441)

Have a look what the booklet for
XYZ(64.9590, 48.9736, 70.6441)
contains.

XYZ(64.8970, 48.9488, 70.3176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.8970, 48.9488,
70.3176)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99D7
RGB	255, 153, 215
RGB Percent	100%, 60%, 84%
CMY	0.0000, 0.4000, 0.1569
CMYK	0.00, 0.40, 0.16, 0.00
HSL	324°, 100%, 80%
HSV	324°, 40%, 100%
XYZ	64.8970, 48.9488, 70.3176
YIQ	190.5660, 40.8900, 40.9060

Conversions

Conversions Part 2

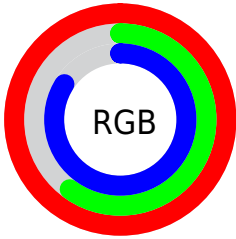
Format	Color
R _Y B	255, 153, 215
Decimal	16751063
CIE Lab	75.42, 46.23, -15.25
CIE LCh	75, 48.685, 341.740
Yxy	48.9488, 0.3524, 0.2658
Android (android.graphics.Color)	4294941143 (0xFFFF99D7)
YUV	190.5660, 12.0460, 56.5086
Hunter-Lab	69.9634, 43.1379, -10.6158

Details

The XYZ color **64.8970, 48.9488, 70.3176** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.5243, 82.1434, 63.2260**, and the grayscale version is **49.1873, 51.7489, 56.3546**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **33.8330, 23.3321, 35.9781** is the 20% darker color. If you saturate the color by 10%, you get **59.9145, 40.9777, 62.5096**, and if you desaturate by 10%, it is **70.8521, 58.7390, 78.8386**.

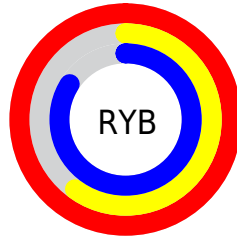
Distribution



Red (100%)

Green (60%)

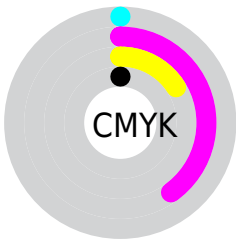
Blue (84%)



Red (100%)

Yellow (60%)

Blue (84%)

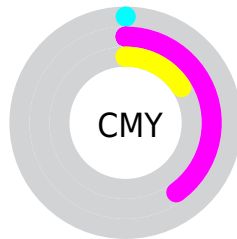


Cyan (0%)

Magenta (40%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8970, 48.9488, 70.3176 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 64.8970, 48.9488, 70.3176 by changing the saturation by 10% instead.


 64.8970, 48.9488,
70.3176


 64.8970, 48.9488,
70.3176


431.9728,
382.5407, 480.4836

 47.6420, 34.5789,
51.3071


 110.9683, 88.6154,
121.3469

 33.7535, 23.3387,
36.0746


 140.5153,
114.6809, 154.2028

 22.8663, 14.8438,
24.2017


174.8902,
145.4136, 192.5109

 14.6150, 8.7098,
15.2697

214.4586,
181.1981, 236.6898

 8.6342, 4.5524,
8.8602

259.5857,
222.4186, 287.1580

 4.5585, 1.9871,
4.5545

310.6368,

 2.0227, 0.6000,

269.4596, 344.3339

1.9342

367.9774,
322.7055, 408.6363

■ 0.6467, 0.0000,
0.5144

■ 0.0000, 0.0000,
0.0000

■ 64.8970, 48.9488,
70.3176

■ 64.8970, 48.9488,
70.3176

■ 59.9145, 40.9777,
62.5096

■ 70.8521, 58.7390,
78.8386

■ 55.8423, 34.7041,
55.3852

■ 77.8300, 70.4471,
88.0941

■ 52.6164, 30.0017,
48.9165

■ 85.8814, 84.1720,
98.1083

■ 50.1619, 26.7233,
43.0714

95.0500, 100.0000,
108.9000

■ 48.3900, 24.6937,
37.8127

■ 47.1563, 23.6266,
33.0847

■ 47.1561, 23.6264,
33.0835

Harmonies

Analogous

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



58.9750, 48.9488, 99.2943



64.8970, 48.9488, 70.3176



65.5329, 48.9488, 43.8667

Triad

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



64.8970, 48.9488, 70.3176



43.1032, 48.9488, 18.0921



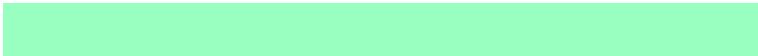
34.8067, 48.9488, 93.4006

Complementary

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



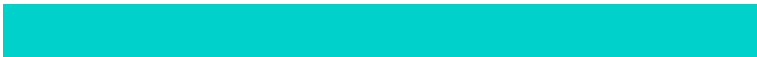
64.8970, 48.9488, 70.3176



58.5243, 82.1434, 63.2260

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.



31.6006, 48.9488, 63.9901



64.8970, 48.9488, 70.3176



35.9623, 48.9488, 24.2865

Square

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



64.8970, 48.9488, 70.3176



52.1396, 48.9488, 18.8088



31.9945, 48.9488, 39.2716



41.3275, 48.9488, 115.2988

Rectangle

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



64.8970, 48.9488, 70.3176



62.7848, 48.9488, 31.3093



31.9945, 48.9488, 39.2716



33.3458, 48.9488, 83.7276

Sweetspot

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



64.8982, 48.9509, 70.3186



84.1809, 81.2576, 96.0411



51.2069, 41.2246, 99.8660



17.7859, 16.9952, 20.2717



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.



64.8982, 48.9509, 70.3186



60.8351, 42.4306, 64.0138



59.4152, 46.7578, 41.4460



18.4732, 18.1726, 21.1092



24.7156, 12.3755, 17.6845



2.4602, 1.2265, 2.0048

Inverse Universe

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



64.8982, 48.9509, 70.3186



60.8351, 42.4306, 64.0138



65.0910, 84.7701, 97.8054



18.4732, 18.1726, 21.1092



24.7156, 12.3755, 17.6845



2.4602, 1.2265, 2.0048

Previews

White Background



This preview shows how the XYZ color 64.8970, 48.9488, 70.3176 looks on a white background.

Color Contrast Check

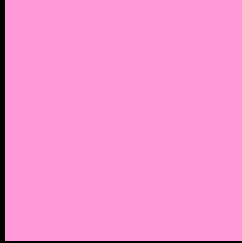
Large Text (above 18pt) WCAG AA × Fail

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 64.8970, 48.9488, 70.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

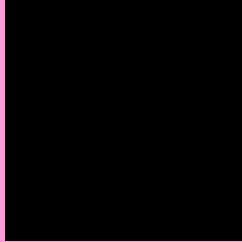
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8970, 48.9488, 70.3176

Background



This preview shows how black text looks on a background with the XYZ color 64.8970, 48.9488, 70.3176.



This preview shows how white text looks on a background with the XYZ color 64.8970, 48.9488,

70.3176.

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

64.8970, 48.9488, 70.3176

Protanopia

49.5144, 49.2213, 86.2479

Deuteranopia

50.1491, 49.0383, 67.7950



Tritanopia

59.7120, 48.8309, 45.8133

Trichromacy



Original Color

64.8970, 48.9488, 70.3176



Protanomaly

53.5758, 48.1851, 79.8757



Deuteranomaly

54.7655, 48.4782, 68.7581



Tritanomaly

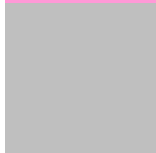
61.4488, 48.7800, 53.7537

Monochromacy



Original Color

64.8970, 48.9488, 70.3176



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.8790, 49.9106, 61.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8970, 48.9488, 70.3176 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 215) }
```

Border

The CSS property to change the border of an element to XYZ 64.8970, 48.9488, 70.3176 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, 215) }
```


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

```
.border{ border-color:rgb(255, 153, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8970, 48.9488, 70.3176 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
153, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor