

# Converting Colors

XYZ(64.4589, 48.7735, 68.0107)

Have a look what the booklet for  
XYZ(64.4589, 48.7735, 68.0107)  
contains.

<b>XYZ(64.5149, 48.7959, 68.3056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.5149, 48.7959,  
68.3056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99D4
RGB	255, 153, 212
RGB Percent	100%, 60%, 83%
CMY	0.0000, 0.4000, 0.1686
CMYK	0.00, 0.40, 0.17, 0.00
HSL	325°, 100%, 80%
HSV	325°, 40%, 100%
XYZ	64.5149, 48.7959, 68.3056
YIQ	190.2240, 41.8530, 39.9730

# Conversions

## Conversions Part 2

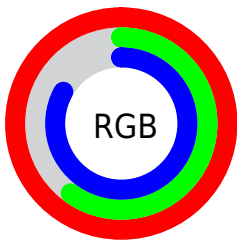
Format	Color
R <sub>Y</sub> B	255, 153, 212
Decimal	16751060
CIE Lab	75.32, 45.78, -13.75
CIE LCh	75, 47.800, 343.277
Yxy	48.7959, 0.3552, 0.2687
Android (android.graphics.Color)	4294941140 (0xFFFF99D4)
YUV	190.2240, 10.7356, 56.8086
Hunter-Lab	69.8541, 42.6121, -9.0779

# Details

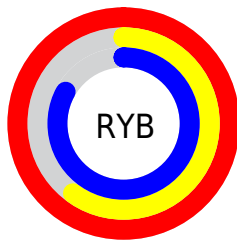
The XYZ color **64.5149, 48.7959, 68.3056** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.8625, 82.2787, 65.0067**, and the grayscale version is **48.9969, 51.5486, 56.1364**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **33.3126, 23.0938, 34.6001** is the 20% darker color. If you saturate the color by 10%, you get **59.4670, 40.7987, 60.1536**, and if you desaturate by 10%, it is **70.5471, 58.6169, 77.2324**.

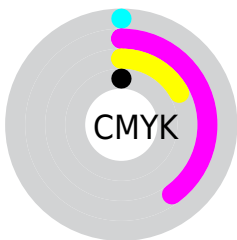
# Distribution



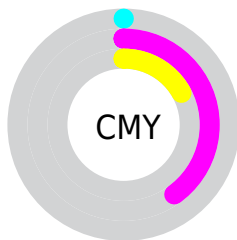
- Red (100%)
- Green (60%)
- Blue (83%)



- Red (100%)
- Yellow (60%)
- Blue (83%)



- Cyan (0%)
- Magenta (40%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5149, 48.7959, 68.3056 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 64.5149, 48.7959, 68.3056 by changing the saturation by 10% instead.




 64.5149, 48.7959,  
68.3056


 64.5149, 48.7959,  
68.3056

430.6195,  
381.9383, 473.2054

 47.3311, 34.4576,  
49.6782

 110.4217, 88.3882,  
118.4476

 33.5065, 23.2454,  
34.7883


 139.8755,  
114.4111, 150.7992

 22.6758, 14.7748,  
23.2176


174.1499,  
145.0976, 188.5626

 14.4737, 8.6615,  
14.5475

213.6103,  
180.8321, 232.1563

 8.5348, 4.5210,  
8.3593

258.6221,  
221.9990, 281.9989

 4.4937, 1.9691,  
4.2347

309.5507,

 1.9850, 0.5894,

268.9827, 338.5089

1.7550

366.7614,  
322.1677, 402.1049

■ 0.6255, 0.0000,  
0.3980

■ 0.0000, 0.0000,  
0.0000

■ 64.5149, 48.7959,  
68.3056

■ 64.5149, 48.7959,  
68.3056

■ 59.4670, 40.7987,  
60.1536

■ 70.5471, 58.6169,  
77.2324

■ 55.3410, 34.5036,  
52.7453

■ 77.6141, 70.3606,  
86.9574

■ 52.0722, 29.7840,  
46.0508

■ 85.7671, 84.1262,  
97.5064

■ 49.5855, 26.4927,  
40.0359

95.0500, 100.0000,  
108.9000

■ 47.7916, 24.4543,  
34.6614

■ 46.5457, 23.3824,  
29.8693

■ 46.5455, 23.3822,  
29.8682

# Harmonies

## Analogous

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



58.9524, 48.7959, 96.7192



64.5149, 48.7959, 68.3056



64.8432, 48.7959, 42.7745

# Triad

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



64.5149, 48.7959, 68.3056



42.6060, 48.7959, 18.5802



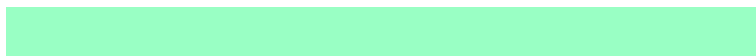
35.1336, 48.7959, 93.6838

# Complementary

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



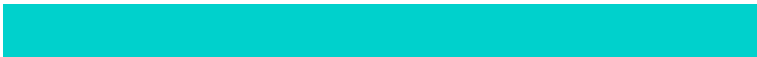
64.5149, 48.7959, 68.3056



58.8625, 82.2787, 65.0067

# 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.



31.8018, 48.7959, 65.0359



64.5149, 48.7959, 68.3056



35.7340, 48.7959, 25.1143

# Square

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



64.5149, 48.7959, 68.3056



51.4126, 48.7959, 18.9565



32.0068, 48.7959, 40.3878



41.6853, 48.7959, 114.2510



# Rectangle

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



64.5149, 48.7959, 68.3056



61.9868, 48.7959, 30.7575



32.0068, 48.7959, 40.3878



33.6392, 48.7959, 84.3482

# Sweetspot

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



64.5160, 48.7980, 68.3066



84.0453, 81.2034, 95.3269



52.0783, 41.6738, 99.9068



17.7539, 16.9824, 20.1035



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.



64.5160, 48.7980, 68.3066



60.3999, 42.2565, 61.7218



59.1100, 46.6356, 39.8387



18.4499, 18.1633, 20.9864



24.3972, 12.2482, 16.0082



2.4301, 1.2144, 1.8462



# Inverse Universe

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



64.5160, 48.7980, 68.3066



60.3999, 42.2565, 61.7218



65.6096, 84.9775, 100.5364



18.4499, 18.1633, 20.9864



24.3972, 12.2482, 16.0082



2.4301, 1.2144, 1.8462



# Previews

## White Background



This preview shows how the XYZ color 64.5149, 48.7959, 68.3056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

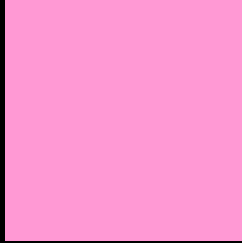
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5149, 48.7959, 68.3056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

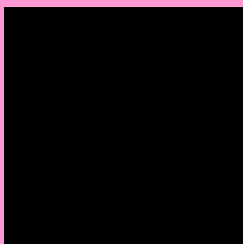
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.5149, 48.7959, 68.3056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5149, 48.7959, 68.3056.



This preview shows how white text looks on a background with the XYZ color 64.5149, 48.7959,



# 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

64.5149, 48.7959, 68.3056

### Protanopia

49.3040, 49.1628, 83.9816

### Deuteranopia

50.0345, 49.0221, 65.8566



## Tritanopia

60.0714, 49.0161, 45.8301

# Trichromacy



## Original Color

64.5149, 48.7959, 68.3056



## Protanomaly

53.1628, 48.0199, 77.7009



## Deuteranomaly

54.3904, 48.3282, 66.7832



## Tritanomaly

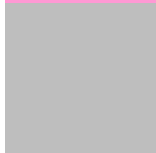
61.3414, 48.7370, 53.1879

# Monochromacy



## Original Color

64.5149, 48.7959, 68.3056



## 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 64.5149, 48.7959, 68.3056 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5149, 48.7959, 68.3056 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, 212) }
```



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

```
.border{ border-color:rgb(255, 153, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5149, 48.7959, 68.3056 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
153, 212) }
```

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