

# Converting Colors

XYZ(64.8640, 48.8279, 75.0079)

Have a look what the booklet for  
XYZ(64.8640, 48.8279, 75.0079)  
contains.

<b>XYZ(64.7209, 48.7518, 75.1061)</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(64.7209, 48.7518,  
75.1061)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC99DE
RGB	252, 153, 222
RGB Percent	99%, 60%, 87%
CMY	0.0118, 0.4000, 0.1294
CMYK	0.00, 0.39, 0.12, 0.01
HSL	318°, 94%, 79%
HSV	318°, 39%, 99%
XYZ	64.7209, 48.7518, 75.1061
YIQ	190.4670, 36.8550, 42.4470

# Conversions

## Conversions Part 2

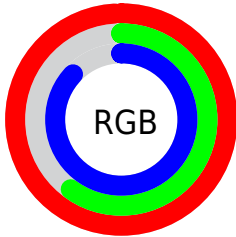
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 153, 222
Decimal	16554462
CIE Lab	75.30, 46.36, -19.30
CIE LCh	75, 50.223, 337.394
Yxy	48.7518, 0.3432, 0.2585
Android (android.graphics.Color)	4294744542 (0xFFFC99DE)
YUV	190.4670, 15.5458, 53.9644
Hunter-Lab	69.8225, 43.2685, -14.9009

# Details

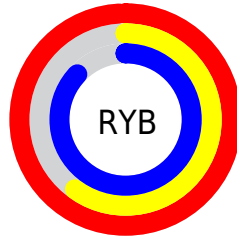
The XYZ color **64.7209, 48.7518, 75.1061** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.4966, 79.8135, 57.2310**, and the grayscale version is **49.1123, 51.6700, 56.2686**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **33.6850, 23.1830, 39.2586** is the 20% darker color. If you saturate the color by 10%, you get **60.0233, 40.9571, 68.6043**, and if you desaturate by 10%, it is **70.3388, 58.3114, 82.1444**.

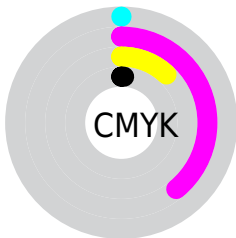
# Distribution



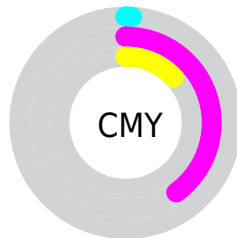
- Red (99%)
- Green (60%)
- Blue (87%)



- Red (99%)
- Yellow (60%)
- Blue (87%)



- Cyan (0%)
- Magenta (39%)
- Yellow (12%)
- Black (1%)




- Cyan (1%)
- Magenta (40%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7209, 48.7518, 75.1061 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 64.7209, 48.7518, 75.1061 by changing the saturation by 10% instead.





 64.7209, 48.7518,  
75.1061


 64.7209, 48.7518,  
75.1061


431.3494,  
381.7644, 497.5473

 47.4987, 34.4226,  
55.1976

 110.7164, 88.3227,  
128.2110

 33.6396, 23.2185,  
39.1603


 140.2205,  
114.3332, 162.2445

 22.7785, 14.7549,  
26.5756

174.5491,  
145.0064, 201.8233

 14.5498, 8.6476,  
17.0251

214.0678,  
180.7264, 247.3661

 8.5883, 4.5120,  
10.0903

259.1418,  
221.8779, 299.2914

 4.5286, 1.9639,  
5.3525

310.1365,

 2.0053, 0.5864,

268.8451, 358.0176

2.3932

367.4172,  
322.0125, 423.9634

■ 0.6369, 0.0000,  
0.7827

■ 0.0000, 0.0000,  
0.0000

■ 64.7209, 48.7518,  
75.1061

■ 64.7209, 48.7518,  
75.1061

■ 60.0233, 40.9571,  
68.6043

■ 70.3388, 58.3114,  
82.1444

■ 56.1855, 34.8096,  
62.6144

■ 76.9234, 69.7301,  
89.7362

■ 53.1469, 30.1881,  
57.1136

■ 84.5236, 83.1038,  
97.9010

■ 50.8364, 26.9516,  
52.0752

■ 93.1833, 98.5195,  
106.6564

■ 49.1698, 24.9328,  
47.4678

93.9552, 99.4356,  
108.8488

■ 48.0191, 23.8765,  
43.2455

■ 47.9454, 23.8157,  
42.9540

# Harmonies

## Analogous

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



57.9681, 48.7518, 104.5465



64.7209, 48.7518, 75.1061



66.2516, 48.7518, 46.8081

# Triad

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



64.7209, 48.7518, 75.1061



44.0911, 48.7518, 16.9567



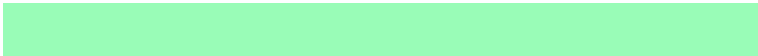
33.6230, 48.7518, 90.3043

# Complementary

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



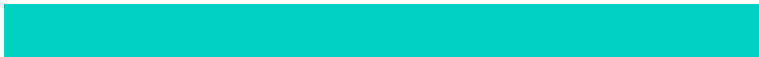
64.7209, 48.7518, 75.1061



56.4966, 79.8135, 57.2310

# 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.



30.8761, 48.7518, 59.8938



64.7209, 48.7518, 75.1061



36.3763, 48.7518, 22.0833

# Square

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



64.7209, 48.7518, 75.1061



53.4966, 48.7518, 18.6359



31.8127, 48.7518, 35.8493



39.8467, 48.7518, 115.1614



# Rectangle

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



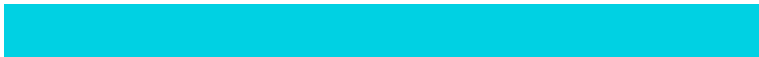
64.7209, 48.7518, 75.1061



63.9412, 48.7518, 32.9682



31.8127, 48.7518, 35.8493



32.3028, 48.7518, 80.0607

# Sweetspot

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



64.7224, 48.7540, 75.1071



84.5959, 81.4236, 98.2267



48.4213, 39.8439, 97.2348



17.8838, 17.0344, 20.7872



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.



64.7224, 48.7540, 75.1071



62.6690, 43.7275, 71.9343



59.0614, 46.4897, 45.2968



17.7559, 17.4297, 20.5702



25.0437, 12.4332, 22.7361



2.3665, 1.1703, 2.3535



# Inverse Universe

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



64.7224, 48.7540, 75.1071



62.6690, 43.7275, 71.9343



62.5429, 82.2320, 89.0704



17.7559, 17.4297, 20.5702



25.0437, 12.4332, 22.7361

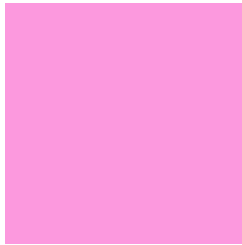


2.3665, 1.1703, 2.3535



# Previews

## White Background



This preview shows how the XYZ color 64.7209, 48.7518, 75.1061 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 64.7209, 48.7518, 75.1061 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 64.7209, 48.7518, 75.1061**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7209, 48.7518, 75.1061.



This preview shows how white text looks on a background with the XYZ color 64.7209, 48.7518,



# 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

64.7209, 48.7518, 75.1061

### Protanopia

50.0472, 49.3587, 92.4774

### Deuteranopia

50.0345, 48.8763, 72.4426



## Tritanopia

59.0160, 48.7100, 46.8489

# Trichromacy



## Original Color

64.7209, 48.7518, 75.1061



## Protanomaly

53.9033, 48.2226, 85.8238



## Deuteranomaly

54.5005, 48.2373, 73.4561



## Tritanomaly

60.9795, 48.7418, 56.0633

# Monochromacy



## Original Color

64.7209, 48.7518, 75.1061



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

53.8234, 49.8547, 62.6632

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7209, 48.7518, 75.1061 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(252, 153, 222)` looks like.

```
.text, #text, p{  
    color:rgb(252, 153, 222)  
}
```

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(252, 153, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 153, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7209, 48.7518, 75.1061 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(252, 153, 222) }
```



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

```
.border{ border-color:rgb(252, 153, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 153, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 153, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 153, 222);  
box-shadow:4px 4px 4px 4px rgb(252, 153,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7209, 48.7518, 75.1061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 153, 222) }
```

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

```
.background{ background-color: rgb(252,  
153, 222) }
```

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