

# Converting Colors

XYZ(69.6414, 51.3393, 65.6764)

Have a look what the booklet for  
XYZ(69.6414, 51.3393, 65.6764)  
contains.

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# Color

**XYZ(63.8534, 48.2705,  
65.6262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF98D0
RGB	255, 152, 208
RGB Percent	100%, 60%, 82%
CMY	0.0000, 0.4039, 0.1843
CMYK	0.00, 0.40, 0.18, 0.00
HSL	327°, 100%, 80%
HSV	327°, 40%, 100%
XYZ	63.8534, 48.2705, 65.6262
YIQ	189.1810, 43.4120, 39.2520

# Conversions

## Conversions Part 2

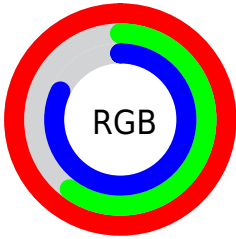
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 152, 208
Decimal	16750800
CIE <sub>Lab</sub>	75.00, 45.69, -12.05
CIE <sub>LCh</sub>	75, 47.253, 345.222
Yxy	48.2705, 0.3592, 0.2716
Android (android.graphics.Color)	4294940880 (0xFFFF98D0)
<b>YUV</b>	189.1810, 9.2778, 57.7233
Hunter-Lab	69.4770, 42.4672, -7.3700

# Details

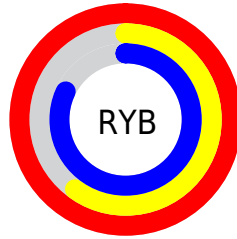
The XYZ color **63.8534, 48.2705, 65.6262** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.0195, 82.3198, 66.8148**, and the grayscale version is **48.4057, 50.9265, 55.4590**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **32.9654, 22.8042, 33.2360** is the 20% darker color. If you saturate the color by 10%, you get **58.7711, 40.3137, 57.1261**, and if you desaturate by 10%, it is **69.9326, 58.0528, 74.9780**.

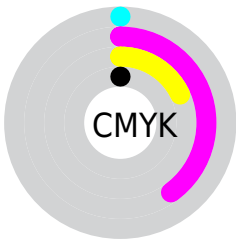
# Distribution



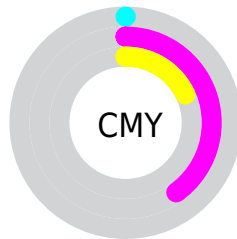
- Red (100%)
- Green (60%)
- Blue (82%)



- Red (100%)
- Yellow (60%)
- Blue (82%)



- Cyan (0%)
- Magenta (40%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8534, 48.2705, 65.6262 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 63.8534, 48.2705, 65.6262 by changing the saturation by 10% instead.



 63.8534, 48.2705,  
65.6262


 63.8534, 48.2705,  
65.6262


428.2707,  
379.8633, 463.4065

 46.7932, 34.0412,  
47.5145

 109.4747, 87.6070,  
114.5715

 33.0795, 22.9252,  
33.0853

 138.7665,  
113.4830, 146.2422

 22.3468, 14.5383,  
21.9201


172.8662,  
144.0099, 183.2696

 14.2300, 8.4960,  
13.6005

212.1391,  
179.5722, 226.0723

 8.3636, 4.4139,  
7.7078

256.9507,  
220.5544, 275.0688

 4.3822, 1.9077,  
3.8234

307.6663,

 1.9206, 0.5530,

267.3406, 330.6776

1.5290

364.6511,  
320.3155, 393.3174

■ 0.5887, 0.0000,  
0.2394

■ 0.0000, 0.0000,  
0.0000

■ 63.8534, 48.2705,  
65.6262

■ 63.8534, 48.2705,  
65.6262

■ 58.7711, 40.3137,  
57.1261

■ 69.9326, 58.0528,  
74.9780

■ 54.6226, 34.0599,  
49.4439

■ 77.0599, 69.7599,  
85.2077

■ 51.3423, 29.3818,  
42.5469

■ 85.2870, 83.4914,  
96.3432

■ 48.8541, 26.1310,  
36.3980

■ 94.6609, 99.3384,  
108.4106

■ 47.0676, 24.1305, 95.0500, 100.0000,  
30.9547 108.9000

■ 45.8736, 23.1135,  
26.3304

# Harmonies

## Analogous

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



58.6855, 48.2705, 93.6062



63.8534, 48.2705, 65.6262



63.8120, 48.2705, 41.0496

# Triad

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



63.8534, 48.2705, 65.6262



41.6622, 48.2705, 18.7620



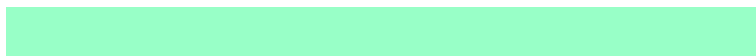
35.1630, 48.2705, 93.9891

# Complementary

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



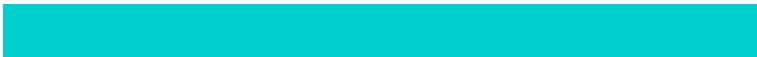
63.8534, 48.2705, 65.6262



59.0195, 82.3198, 66.8148

# 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.



31.6674, 48.2705, 66.0392



63.8534, 48.2705, 65.6262



35.0870, 48.2705, 25.7029

# Square

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



63.8534, 48.2705, 65.6262



50.2406, 48.2705, 18.7141



31.6414, 48.2705, 41.3518



41.7787, 48.2705, 113.1478



# Rectangle

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



63.8534, 48.2705, 65.6262



60.8028, 48.2705, 29.6512



31.6414, 48.2705, 41.3518



33.6229, 48.2705, 84.9810

# Sweetspot

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



63.8545, 48.2726, 65.6272



83.8859, 81.1396, 94.4878



52.6612, 41.7324, 99.8873



17.7164, 16.9674, 19.9059



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.



63.8545, 48.2726, 65.6272



59.8985, 42.0560, 59.0819



58.5684, 46.1582, 37.7907



18.4225, 18.1523, 20.8419



24.0463, 12.1078, 14.1602



2.3965, 1.2010, 1.6692



# Inverse Universe

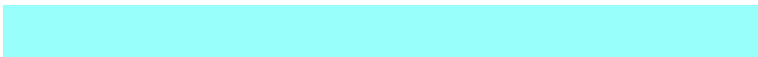
The Inverse Universe completely reimagines the original color for something new.



63.8545, 48.2726, 65.6272



59.8985, 42.0560, 59.0819



65.9419, 85.0887, 103.2677



18.4225, 18.1523, 20.8419



24.0463, 12.1078, 14.1602



2.3965, 1.2010, 1.6692



# Previews

## White Background



This preview shows how the XYZ color 63.8534, 48.2705, 65.6262 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 63.8534, 48.2705, 65.6262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

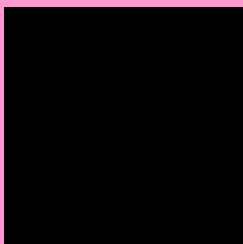
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.8534, 48.2705, 65.6262**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8534, 48.2705, 65.6262.



This preview shows how white text looks on a background with the XYZ color 63.8534, 48.2705,



# 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

63.8534, 48.2705, 65.6262

### Protanopia

48.5319, 48.5228, 80.9367

### Deuteranopia

49.6064, 48.5564, 63.2577



## Tritanopia

59.5325, 48.2458, 44.7027

# Trichromacy



## Original Color

63.8534, 48.2705, 65.6262



## Protanomaly

52.4323, 47.4220, 74.7965



## Deuteranomaly

54.0094, 47.9089, 64.1584



## Tritanomaly

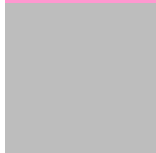
60.6851, 47.9331, 51.4010

# Monochromacy



## Original Color

63.8534, 48.2705, 65.6262



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

52.9297, 49.1823, 58.9280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8534, 48.2705, 65.6262 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8534, 48.2705, 65.6262 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, 208) }
```



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

```
.border{ border-color:rgb(255, 152, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8534, 48.2705, 65.6262 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
152, 208) }
```

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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