

# Converting Colors

XYZ(63.7551, 48.7555, 63.4927)

Have a look what the booklet for  
XYZ(63.7551, 48.7555, 63.4927)  
contains.

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# Color

**XYZ(63.8150, 48.7790,  
63.8095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9ACD
RGB	255, 154, 205
RGB Percent	100%, 60%, 80%
CMY	0.0000, 0.3961, 0.1961
CMYK	0.00, 0.40, 0.20, 0.00
HSL	330°, 100%, 80%
HSV	330°, 40%, 100%
XYZ	63.8150, 48.7790, 63.8095
YIQ	190.0130, 43.8250, 37.2730

# Conversions

## Conversions Part 2

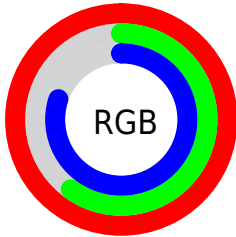
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 154, 205
Decimal	16751309
CIE Lab	75.31, 44.23, -9.93
CIE LCh	75, 45.330, 347.346
Yxy	48.7790, 0.3618, 0.2765
Android (android.graphics.Color)	4294941389 (0xFFFF9ACD)
YUV	190.0130, 7.3886, 56.9936
Hunter-Lab	69.8420, 40.8730, -5.2796

# Details

The XYZ color **63.8150, 48.7790, 63.8095** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.9875, 82.7506, 69.9411**, and the grayscale version is **48.8934, 51.4397, 56.0178**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **33.0045, 23.2775, 32.0316** is the 20% darker color. If you saturate the color by 10%, you get **58.5817, 40.6533, 54.8475**, and if you desaturate by 10%, it is **70.0677, 58.7460, 73.7190**.

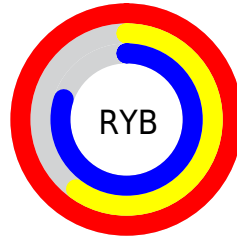
# Distribution



Red (100%)

Green (60%)

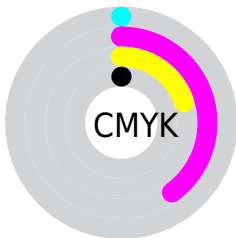
Blue (80%)



Red (100%)

Yellow (60%)

Blue (80%)

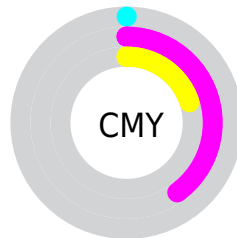


Cyan (0%)

Magenta (40%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8150, 48.7790, 63.8095 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 63.8150, 48.7790, 63.8095 by changing the saturation by 10% instead.





 63.8150, 48.7790,  
63.8095


 63.8150, 48.7790,  
63.8095


428.1341,  
381.8716, 456.6900

 46.7620, 34.4442,  
46.0512


 109.4197, 88.3631,  
111.9334

 33.0547, 23.2351,  
31.9373

 138.7021,  
114.3813, 143.1360

 22.3278, 14.7672,  
21.0492


172.7916,  
145.0626, 179.6572

 14.2159, 8.6561,  
12.9684

212.0536,  
180.7916, 221.9154

 8.3537, 4.5176,  
7.2763

256.8536,  
221.9526, 270.3293

 4.3758, 1.9671,  
3.5544

307.5567,

 1.9168, 0.5883,

268.9300, 325.3173

1.3842

364.5284,  
322.1082, 387.2980

■ 0.5866, 0.0000,  
0.1294

■ 0.0000, 0.0000,  
0.0000

■ 63.8150, 48.7790,  
63.8095

■ 63.8150, 48.7790,  
63.8095

■ 58.5817, 40.6533,  
54.8475

■ 70.0677, 58.7460,  
73.7190

■ 54.3039, 34.2470,  
46.7960

■ 77.3909, 70.6530,  
84.6053

■ 50.9164, 29.4337,  
39.6190

■ 85.8367, 84.5995,  
96.4996

■ 48.3431, 26.0665,  
33.2756

95.0500, 100.0000,  
108.9000

■ 46.4941, 23.9708,  
27.7200

■ 45.2303, 22.8736,  
22.8890

■ 45.1863, 22.8385,  
22.7108

# Harmonies

## Analogous

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



59.1703, 48.7790, 90.6560



63.8150, 48.7790, 63.8095



63.3960, 48.7790, 40.5749

# Triad

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



63.8150, 48.7790, 63.8095



41.7492, 48.7790, 20.2538



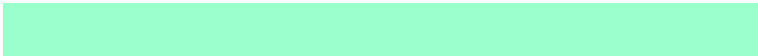
36.3339, 48.7790, 94.5017

# Complementary

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



63.8150, 48.7790, 63.8095



59.9875, 82.7506, 69.9411

# 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.



32.6918, 48.7790, 67.9974



63.8150, 48.7790, 63.8095



35.5515, 48.7790, 27.6970

# Square

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



63.8150, 48.7790, 63.8095



49.9615, 48.7790, 19.7470



32.4237, 48.7790, 43.6824



42.9415, 48.7790, 111.6277



# Rectangle

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



63.8150, 48.7790, 63.8095



60.2995, 48.7790, 29.8598



32.4237, 48.7790, 43.6824



34.7585, 48.7790, 86.0860

# Sweetspot

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



63.8163, 48.7812, 63.8105



83.7093, 81.0690, 93.5578



54.1863, 43.0047, 100.0525



17.6749, 16.9508, 19.6871



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.



63.8163, 48.7812, 63.8105



59.3558, 41.8389, 56.2240



58.7712, 46.7632, 37.2436



18.3920, 18.1401, 20.6816



23.6863, 11.9638, 12.2646



2.3614, 1.1869, 1.4847



# Inverse Universe

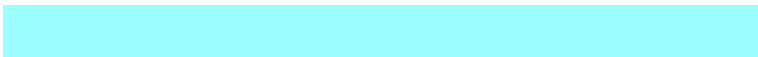
The Inverse Universe completely reimagines the original color for something new.



63.8163, 48.7812, 63.8105



59.3558, 41.8389, 56.2240



66.8678, 85.5027, 106.1727



18.3920, 18.1401, 20.6816



23.6863, 11.9638, 12.2646

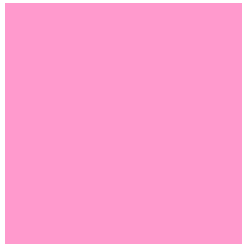


2.3614, 1.1869, 1.4847



# Previews

## White Background



This preview shows how the XYZ color 63.8150, 48.7790, 63.8095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

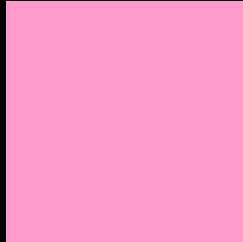
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8150, 48.7790, 63.8095 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 63.8150, 48.7790, 63.8095

## Background



This preview shows how black text looks on a background with the XYZ color 63.8150, 48.7790, 63.8095.



This preview shows how white text looks on a background with the XYZ color 63.8150, 48.7790,



# 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

63.8150, 48.7790, 63.8095

### Protanopia

48.8626, 49.0643, 78.1292

### Deuteranopia

49.9752, 49.0882, 61.4846



## Tritanopia

59.8009, 48.6294, 45.2643

# Trichromacy



## Original Color

63.8150, 48.7790, 63.8095



## Protanomaly

52.7753, 47.9282, 72.7992



## Deuteranomaly

54.1370, 48.2955, 62.3458



## Tritanomaly

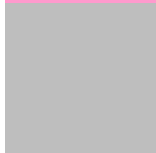
61.0235, 48.6099, 51.5138

# Monochromacy



## Original Color

63.8150, 48.7790, 63.8095



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

53.3040, 49.6806, 58.4096

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8150, 48.7790, 63.8095 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, 154, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 205)  
}
```

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, 154, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8150, 48.7790, 63.8095 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, 154, 205) }
```



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

```
.border{ border-color:rgb(255, 154, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8150, 48.7790, 63.8095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 205) }
```

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

```
.background{ background-color: rgb(255,  
154, 205) }
```

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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