

# Converting Colors

XYZ(75.4798, 60.3182, 48.6212)

Have a look what the booklet for  
XYZ(75.4798, 60.3182, 48.6212)  
contains.

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# Color

**XYZ(64.0200, 54.2817,  
48.1775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFADB0
RGB	255, 173, 176
RGB Percent	100%, 68%, 69%
CMY	0.0000, 0.3215, 0.3098
CMYK	0.00, 0.32, 0.31, 0.00
HSL	358°, 100%, 84%
HSV	358°, 32%, 100%
XYZ	64.0200, 54.2817, 48.1775
YIQ	197.8600, 47.9090, 18.3170

# Conversions

## Conversions Part 2

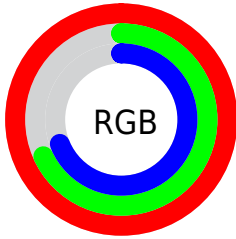
Format	Color
R <sub>Y</sub> B	255, 173, 176
Decimal	16756144
CIE Lab	78.63, 30.42, 10.75
CIE LCh	79, 32.263, 19.454
Yxy	54.2817, 0.3846, 0.3261
Android (android.graphics.Color)	4294946224 (0xFFFFADB0)
YUV	197.8600, -10.7770, 50.1118
Hunter-Lab	73.6761, 26.1723, 12.8030

# Details

The XYZ color **64.0200, 54.2817, 48.1775** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **70.5665, 87.4336, 105.2569**, and the grayscale version is **53.6357, 56.4290, 61.4511**.

A 20% lighter version of the original color is **83.8248, 83.1248, 87.9706**, and **33.1195, 26.6239, 22.4621** is the 20% darker color. If you saturate the color by 10%, you get **57.3738, 44.5338, 35.0347**, and if you desaturate by 10%, it is **72.0421, 66.0769, 63.9505**.

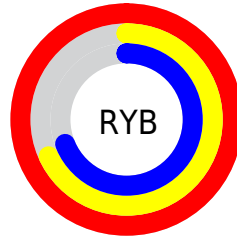
# Distribution



Red (100%)

Green (68%)

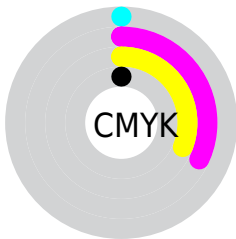
Blue (69%)



Red (100%)

Yellow (68%)

Blue (69%)

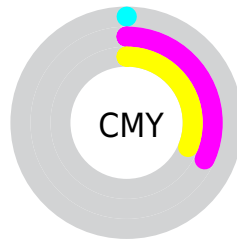


Cyan (0%)

Magenta (32%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0200, 54.2817, 48.1775 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 64.0200, 54.2817, 48.1775 by changing the saturation by 10% instead.





 64.0200, 54.2817,  
48.1775

 64.0200, 54.2817,  
48.1775


428.8629,  
403.1833, 396.0243

 46.9286, 38.8269,  
33.6065


 109.7133, 96.4877,  
88.8369

 33.1869, 26.6251,  
22.3165


139.0460,  
124.0078, 115.7624

 22.4296, 17.2919,  
13.8891


173.1897,  
156.3184, 147.6431

 14.2913, 10.4428,  
7.9057

212.5100,  
193.8039, 184.8976

 8.4066, 5.6935,  
3.9478

257.3721,  
236.8488, 227.9445

 4.4102, 2.6596,  
1.5967


308.1414,

 1.9367, 0.9567,


285.8374, 277.2021


0.2885


365.1832,  
341.1541, 333.0892


 0.5980, 0.0000,  
0.0000


 0.0000, 0.0000,  
0.0000


 64.0200, 54.2817,  
48.1775

 64.0200, 54.2817,  
48.1775


 57.3738, 44.5338,  
35.0347


 72.0421, 66.0769,  
63.9505

 52.0222, 36.7094,  
24.3760

 81.5069, 80.0186,  
82.4825

 47.8822, 30.6837,  
16.0462

 92.4819, 96.2087,  
103.8977

 44.8590, 26.3135,  
9.8711

95.0500, 100.0000,  
108.9000

■ 42.8441, 23.4342,  
5.6524

■ 41.7070, 21.8472,  
3.1547

■ 41.2910, 21.2804,  
2.1987

# Harmonies

## Analogous

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



64.5901, 54.2817, 65.7560



64.0200, 54.2817, 48.1775



59.9683, 54.2817, 36.2621

# Triad

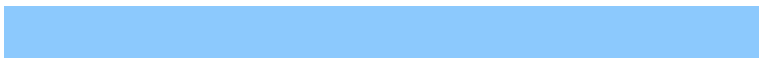
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.0200, 54.2817, 48.1775



42.8375, 54.2817, 39.1145



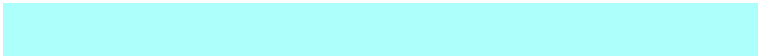
49.3846, 54.2817, 100.7117

# Complementary

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



64.0200, 54.2817, 48.1775



70.5665, 87.4336, 105.2569

# 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.



44.0365, 54.2817, 89.9530



64.0200, 54.2817, 48.1775



40.4683, 54.2817, 52.9156

# Square

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



64.0200, 54.2817, 48.1775



47.6219, 54.2817, 31.8230



40.8884, 54.2817, 71.5679



55.7792, 54.2817, 98.7140



# Rectangle

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



64.0200, 54.2817, 48.1775



56.0104, 54.2817, 31.9744



40.8884, 54.2817, 71.5679



47.4144, 54.2817, 98.3928

# Sweetspot

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



64.0214, 54.2843, 48.1786



83.7415, 83.3132, 86.8483



72.7426, 57.6004, 101.8918



17.6104, 17.3699, 17.9762



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.



64.0214, 54.2843, 48.1786



59.3269, 47.3957, 38.9053



71.8063, 70.3230, 49.3276



18.0363, 17.9978, 18.8081



21.5871, 11.1241, 1.2100



2.1109, 1.0867, 0.1654



# Inverse Universe

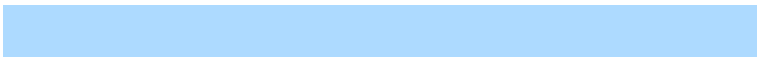
The Inverse Universe completely reimagines the original color for something new.



64.0214, 54.2843, 48.1786



59.3269, 47.3957, 38.9053



60.3831, 66.3012, 104.2226



18.0363, 17.9978, 18.8081



21.5871, 11.1241, 1.2100



2.1109, 1.0867, 0.1654



# Previews

## White Background



This preview shows how the XYZ color 64.0200, 54.2817, 48.1775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

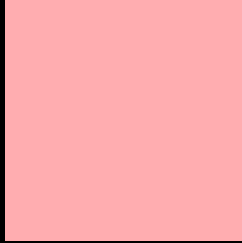
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0200, 54.2817, 48.1775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

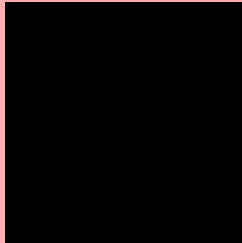
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.0200, 54.2817, 48.1775**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0200, 54.2817, 48.1775.



This preview shows how white text looks on a background with the XYZ color 64.0200, 54.2817,

48.1775.

# 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

64.0200, 54.2817, 48.1775

### Protanopia

52.0808, 54.4508, 54.7788

### Deuteranopia

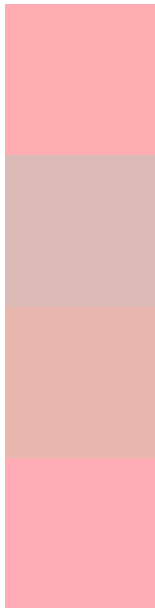
55.6502, 54.5132, 47.1242



## Tritanopia

64.7495, 54.2678, 52.9610

# Trichromacy



## Original Color

64.0200, 54.2817, 48.1775

## Protanomaly

55.6213, 53.7524, 52.2434

## Deuteranomaly

58.5052, 54.4154, 47.4641

## Tritanomaly

64.4360, 54.1424, 51.3104

# Monochromacy



## Original Color

64.0200, 54.2817, 48.1775

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

56.7053, 55.1730, 56.3760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0200, 54.2817, 48.1775 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, 173, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 176)  
}
```

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, 173, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0200, 54.2817, 48.1775 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, 173, 176) }
```



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

```
.border{ border-color:rgb(255, 173, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0200, 54.2817, 48.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 176) }
```

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

```
.background{ background-color: rgb(255,  
173, 176) }
```

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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