

# Converting Colors

XYZ(75.3957, 58.9294, 50.5338)

Have a look what the booklet for  
XYZ(75.3957, 58.9294, 50.5338)  
contains.

<b>XYZ(63.6662, 52.9312, 50.0412)</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(63.6662, 52.9312,  
50.0412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA9B4
RGB	255, 169, 180
RGB Percent	100%, 66%, 71%
CMY	0.0000, 0.3372, 0.2941
CMYK	0.00, 0.34, 0.29, 0.00
HSL	352°, 100%, 83%
HSV	352°, 34%, 100%
XYZ	63.6662, 52.9312, 50.0412
YIQ	195.9680, 47.7250, 21.6530

# Conversions

## Conversions Part 2

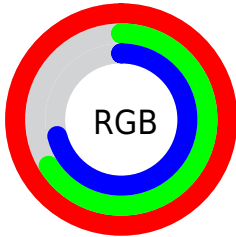
Format	Color
R <sub>Y</sub> B	255, 169, 180
Decimal	16755124
CIE Lab	77.83, 33.02, 7.44
CIE LCh	78, 33.851, 12.698
Yxy	52.9312, 0.3821, 0.3176
Android (android.graphics.Color)	4294945204 (0xFFFFA9B4)
YUV	195.9680, -7.8722, 51.7711
Hunter-Lab	72.7538, 28.8845, 10.1471

# Details

The XYZ color **63.6662, 52.9312, 50.0412** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.4535, 86.4877, 98.6780**, and the grayscale version is **52.4770, 55.2099, 60.1236**.

A 20% lighter version of the original color is **83.3055, 81.1666, 90.6329**, and **32.8411, 25.7589, 23.3197** is the 20% darker color. If you saturate the color by 10%, you get **57.2897, 43.5177, 37.6205**, and if you desaturate by 10%, it is **71.3339, 64.3451, 64.6869**.

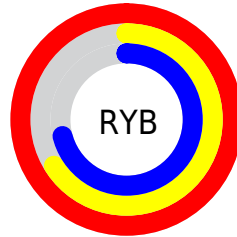
# Distribution



Red (100%)

Green (66%)

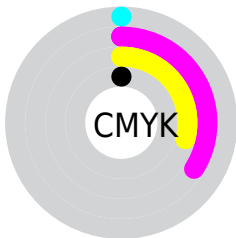
Blue (71%)



Red (100%)

Yellow (66%)

Blue (71%)

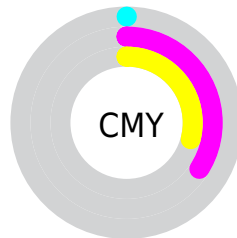


Cyan (0%)

Magenta (34%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6662, 52.9312, 50.0412 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 63.6662, 52.9312, 50.0412 by changing the saturation by 10% instead.




 63.6662, 52.9312,  
50.0412

 63.6662, 52.9312,  
50.0412


427.6046,  
398.0211, 403.5667

 46.6410, 37.7478,  
35.0747


 109.2065, 94.5031,  
91.6329

 32.9587, 25.7870,  
23.4364


138.4523,  
121.6605, 119.0951

 22.2539, 16.6644,  
14.7078

172.5025,  
153.5780, 151.5597

 14.1612, 9.9955,  
8.4702

211.7222,  
190.6400, 189.4452

 8.3153, 5.3960,  
4.3052

256.4769,  
233.2309, 233.1701

 4.3509, 2.4814,  
1.7942

307.1320,

 1.9025, 0.8673,

281.7351, 283.1529

0.4241

364.0528,  
336.5371, 339.8123

■ 0.5783, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.6662, 52.9312,  
50.0412

■ 63.6662, 52.9312,  
50.0412

■ 57.2897, 43.5177,  
37.6205

■ 71.3339, 64.3451,  
64.6869

■ 52.1292, 35.9824,  
27.3126

■ 80.3547, 77.8577,  
81.6561

■ 48.1077, 30.2010,  
19.0000

■ 90.7912, 93.5698,  
101.0451

■ 45.1377, 26.0311,  
12.5526

95.0500, 100.0000,  
108.9000

■ 43.1186, 23.3084,  
7.8245

■ 41.9297, 21.8325,  
4.6475

■ 41.5090, 21.3676,  
3.3465

# Harmonies

## Analogous

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



63.3594, 52.9312, 69.0762



63.6662, 52.9312, 50.0412



60.1761, 52.9312, 36.4165

# Triad

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



63.6662, 52.9312, 50.0412



42.2203, 52.9312, 34.9240



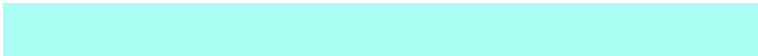
46.6453, 52.9312, 99.5329

# Complementary

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



63.6662, 52.9312, 50.0412



68.4535, 86.4877, 98.6780

# 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.



41.5850, 52.9312, 85.8116



63.6662, 52.9312, 50.0412



39.1871, 52.9312, 47.5291

# Square

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



63.6662, 52.9312, 50.0412



47.5837, 52.9312, 29.0544



38.9652, 52.9312, 65.9564



53.1375, 52.9312, 100.6197



# Rectangle

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



63.6662, 52.9312, 50.0412



56.3290, 52.9312, 31.0926



38.9652, 52.9312, 65.9564



44.7350, 52.9312, 96.1277

# Sweetspot

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



63.6675, 52.9337, 50.0422



84.0716, 83.4452, 88.5869



69.3860, 54.7482, 101.5182



17.6895, 17.4015, 18.3927



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.



63.6675, 52.9337, 50.0422



59.5180, 46.7972, 41.9921



69.1810, 65.6827, 46.5711



18.1039, 18.0249, 19.1641



21.7184, 11.1767, 1.9017



2.1428, 1.0995, 0.3333



# Inverse Universe

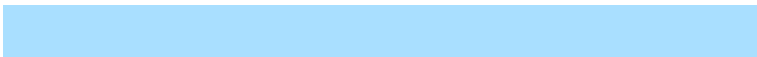
The Inverse Universe completely reimagines the original color for something new.



63.6675, 52.9337, 50.0422



59.5180, 46.7972, 41.9921



60.9267, 68.6821, 104.6535



18.1039, 18.0249, 19.1641



21.7184, 11.1767, 1.9017



2.1428, 1.0995, 0.3333



# Previews

## White Background



This preview shows how the XYZ color 63.6662, 52.9312, 50.0412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

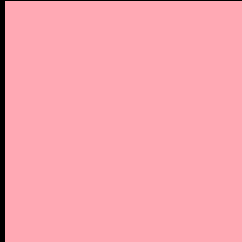
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.6662, 52.9312, 50.0412 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 63.6662, 52.9312, 50.0412**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.6662, 52.9312, 50.0412.



This preview shows how white text looks on a background with the XYZ color 63.6662, 52.9312, 50.0412.



# 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

63.6662, 52.9312, 50.0412

### Protanopia

51.2402, 53.2853, 58.0365

### Deuteranopia

54.1100, 53.0438, 48.9816



## Tritanopia

63.8715, 53.0133, 51.1222

# Trichromacy



## Original Color

63.6662, 52.9312, 50.0412



## Protanomaly

54.8329, 52.6635, 54.8520



## Deuteranomaly

57.3121, 52.8458, 49.2991



## Tritanomaly

63.7685, 52.9721, 50.5797

# Monochromacy



## Original Color

63.6662, 52.9312, 50.0412



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

55.4684, 53.5872, 56.1351

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6662, 52.9312, 50.0412 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, 169, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 180)  
}
```

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, 169, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6662, 52.9312, 50.0412 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, 169, 180) }
```



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

```
.border{ border-color:rgb(255, 169, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6662, 52.9312, 50.0412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 180) }
```

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

```
.background{ background-color: rgb(255,  
169, 180) }
```

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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