

# Converting Colors

XYZ(89.2204, 68.6492, 47.0459)

Have a look what the booklet for  
XYZ(89.2204, 68.6492, 47.0459)  
contains.

<b>XYZ(64.5111, 56.0411, 45.9450)</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(64.5111, 56.0411,  
45.9450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB2AB
RGB	255, 178, 171
RGB Percent	100%, 70%, 67%
CMY	0.0000, 0.3019, 0.3294
CMYK	0.00, 0.30, 0.33, 0.00
HSL	5°, 100%, 84%
HSV	5°, 33%, 100%
XYZ	64.5111, 56.0411, 45.9450
YIQ	200.2250, 48.1390, 14.1470

# Conversions

## Conversions Part 2

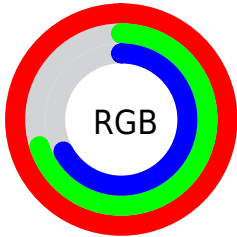
Format	Color
R <sub>Y</sub> B	255, 179, 171
Decimal	16757419
CIE Lab	79.64, 27.18, 14.88
CIE LCh	80, 30.986, 28.701
Yxy	56.0411, 0.3875, 0.3366
Android (android.graphics.Color)	4294947499 (0xFFFFB2AB)
YUV	200.2250, -14.4079, 48.0377
Hunter-Lab	74.8606, 22.8163, 16.0137

# Details

The XYZ color **64.5111, 56.0411, 45.9450** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.4107, 83.0097, 107.0246**, and the grayscale version is **55.1049, 57.9746, 63.1344**.

A 20% lighter version of the original color is **84.3903, 85.5966, 84.0255**, and **33.4283, 27.7349, 21.0443** is the 20% darker color. If you saturate the color by 10%, you get **58.0500, 46.6406, 32.9342**, and if you desaturate by 10%, it is **72.2363, 67.2191, 61.6916**.

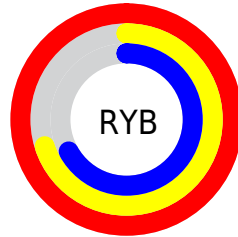
# Distribution



Red (100%)

Green (70%)

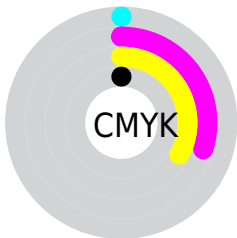
Blue (67%)



Red (100%)

Yellow (70%)

Blue (67%)

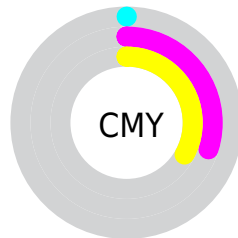


Cyan (0%)

Magenta (30%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5111, 56.0411, 45.9450 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 64.5111, 56.0411, 45.9450 by changing the saturation by 10% instead.





 64.5111, 56.0411,  
45.9450

 64.5111, 56.0411,  
45.9450


430.6060,  
409.8464, 386.8586

 47.3280, 40.2359,  
31.8541


 110.4163, 99.0647,  
85.4701

 33.5040, 27.7225,  
20.9862


139.8691,  
127.0518, 111.7413

 22.6739, 18.1166,  
12.9227


174.1425,  
159.8684, 142.9098

 14.4723, 11.0337,  
7.2453

213.6019,  
197.8987, 179.3939

 8.5338, 6.0895,  
3.5352

258.6125,  
241.5273, 221.6124

 4.4930, 2.8996,  
1.3740


309.5399,


 1.9847, 1.0795,


291.1385, 269.9836


0.1213


366.7493,  
347.1168, 324.9262


 0.6253, 0.0000,  
0.0000


 0.0000, 0.0000,  
0.0000


 64.5111, 56.0411,  
45.9450


 64.5111, 56.0411,  
45.9450


 58.0500, 46.6406,  
32.9342


 72.2363, 67.2191,  
61.6916

 52.7815, 38.9186,  
22.4999

 81.2836, 80.2512,  
80.3141

 48.6336, 32.7784,  
14.4716

 91.7124, 95.2192,  
101.9473

 45.5245, 28.1103,  
8.6569

95.0500, 100.0000,  
108.9000

■ 43.3615, 24.7906,  
4.8337

■ 42.0349, 22.6750,  
2.7336

■ 41.5131, 21.8062,  
2.0210

# Harmonies

## Analogous

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



66.1989, 56.0411, 61.8024



64.5111, 56.0411, 45.9450



59.7523, 56.0411, 36.0926

# Triad

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



64.5111, 56.0411, 45.9450



43.6470, 56.0411, 44.8360



52.9935, 56.0411, 102.2764

# Complementary

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



64.5111, 56.0411, 45.9450



68.4107, 83.0097, 107.0246

# 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.



47.2658, 56.0411, 95.3855



64.5111, 56.0411, 45.9450



42.1367, 56.0411, 60.2427

# Square

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



64.5111, 56.0411, 45.9450



47.7027, 56.0411, 35.5458



43.4090, 56.0411, 79.0752



59.2445, 56.0411, 96.4398



# Rectangle

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



64.5111, 56.0411, 45.9450



55.6536, 56.0411, 33.1203



43.4090, 56.0411, 79.0752



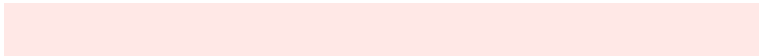
50.9464, 56.0411, 101.3508

# Sweetspot

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



64.5125, 56.0438, 45.9461



84.2044, 84.4484, 86.3574



72.7465, 57.1637, 96.0066



17.7212, 17.6416, 17.8588



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.



64.5125, 56.0438, 45.9461



59.8233, 49.2270, 36.4857



74.1842, 75.3870, 49.1700



18.1311, 18.2304, 18.7075



21.7333, 11.4779, 1.0700



2.1558, 1.1970, 0.1174



# Inverse Universe

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



68.4107, 83.0097, 107.0246



64.2929, 80.2045, 106.7002



56.9164, 60.0211, 103.1932



18.4177, 20.2069, 23.1796



24.8200, 34.5496, 54.7952

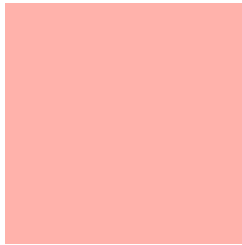


2.4533, 3.4373, 5.3474



# Previews

## White Background



This preview shows how the XYZ color 64.5111, 56.0411, 45.9450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

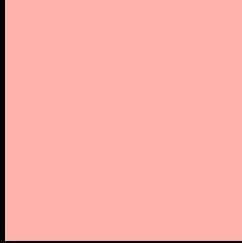
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5111, 56.0411, 45.9450 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 64.5111, 56.0411, 45.9450

## Background



This preview shows how black text looks on a background with the XYZ color 64.5111, 56.0411, 45.9450.



This preview shows how white text looks on a background with the XYZ color 64.5111, 56.0411,

45.9450.

# 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

64.5111, 56.0411, 45.9450

### Protanopia

53.4836, 56.2478, 51.7541

### Deuteranopia

57.2534, 56.0224, 45.3319



## Tritanopia

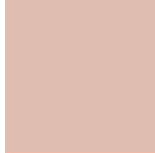
65.9506, 55.9848, 55.4743

# Trichromacy



## Original Color

64.5111, 56.0411, 45.9450



## Protanomaly

56.7807, 55.6892, 49.3514



## Deuteranomaly

59.7397, 56.0246, 45.6954



## Tritanomaly

65.4056, 56.0817, 51.6336

# Monochromacy



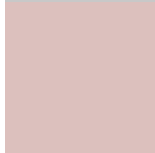
## Original Color

64.5111, 56.0411, 45.9450



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

57.5501, 56.5890, 56.0337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5111, 56.0411, 45.9450 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, 178, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 171)  
}
```

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, 178, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5111, 56.0411, 45.9450 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, 178, 171) }
```



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

```
.border{ border-color:rgb(255, 178, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5111, 56.0411, 45.9450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 171) }
```

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

```
.background{ background-color: rgb(255,  
178, 171) }
```

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