

# Converting Colors

XYZ(96.7831, 74.9033, 47.2621)

Have a look what the booklet for  
XYZ(96.7831, 74.9033, 47.2621)  
contains.

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# Color

**XYZ(65.8447, 58.8602,  
45.9210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB9AA
RGB	255, 185, 170
RGB Percent	100%, 73%, 67%
CMY	0.0000, 0.2745, 0.3333
CMYK	0.00, 0.27, 0.33, 0.00
HSL	11°, 100%, 83%
HSV	11°, 33%, 100%
XYZ	65.8447, 58.8602, 45.9210
YIQ	204.2200, 46.5350, 10.1750

# Conversions

## Conversions Part 2

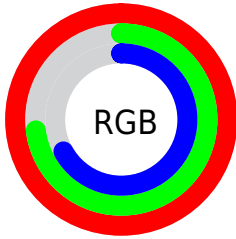
Format	Color
R <sub>Y</sub> B	255, 188, 170
Decimal	16759210
CIE Lab	81.21, 23.39, 17.63
CIE LCh	81, 29.286, 37.005
Yxy	58.8602, 0.3859, 0.3450
Android (android.graphics.Color)	4294949290 (0xFFFFB9AA)
YUV	204.2200, -16.8705, 44.5341
Hunter-Lab	76.7204, 18.9356, 18.2162

# Details

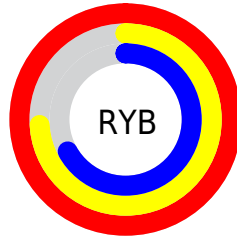
The XYZ color **65.8447, 58.8602, 45.9210** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.7865, 78.0835, 106.2120**, and the grayscale version is **57.6177, 60.6183, 66.0133**.

A 20% lighter version of the original color is **86.2859, 89.6068, 83.9823**, and **34.5472, 29.6809, 21.0477** is the 20% darker color. If you saturate the color by 10%, you get **59.5894, 49.8428, 33.0669**, and if you desaturate by 10%, it is **73.2196, 69.3678, 61.4578**.

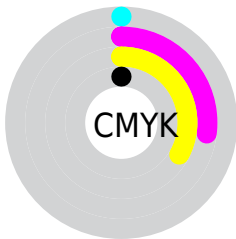
# Distribution



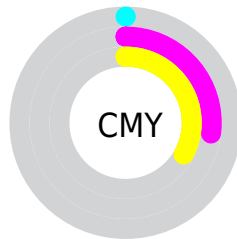
- Red (100%)
- Green (73%)
- Blue (67%)



- Red (100%)
- Yellow (74%)
- Blue (67%)



- Cyan (0%)
- Magenta (27%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (27%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8447, 58.8602, 45.9210 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 65.8447, 58.8602, 45.9210 by changing the saturation by 10% instead.





 65.8447, 58.8602,  
45.9210

 65.8447, 58.8602,  
45.9210


435.3187,  
420.3836, 386.7593

 48.4136, 42.5006,  
31.8353


 112.3224,  
103.1745, 85.4338

 34.3671, 29.4935,  
20.9719


142.0996,  
131.8979, 111.6979

 23.3400, 19.4544,  
12.9124


176.7230,  
165.5114, 142.8586

 14.9668, 11.9991,  
7.2383

216.5578,  
204.3993, 179.3344

 8.8823, 6.7431,  
3.5309

261.9694,  
248.9461, 221.5438

 4.7210, 3.3019,  
1.3717

313.3232,

 2.1176, 1.2913,

299.5362, 269.9054

0.1195

370.9845,  
356.5539, 324.8377

■ 0.6987, 0.1345,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.8447, 58.8602,  
45.9210

■ 65.8447, 58.8602,  
45.9210

■ 59.5894, 49.8428,  
33.0669

■ 73.2196, 69.3678,  
61.4578

■ 54.3938, 42.2397,  
22.7395

■ 81.7613, 81.4205,  
79.8141

■ 50.1990, 35.9810,  
14.7720

■ 91.5196, 95.0805,  
101.1217

■ 46.9383, 30.9872,  
8.9763

95.0500, 100.0000,  
108.9000

■ 44.5367, 27.1702,  
5.1349

■ 42.9060, 24.4300,  
2.9844

■ 42.1790, 23.1380,  
2.2430

# Harmonies

## Analogous

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



68.4135, 58.8602, 60.0784



65.8447, 58.8602, 45.9210



60.6534, 58.8602, 37.8717

# Triad

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



65.8447, 58.8602, 45.9210



45.8268, 58.8602, 51.8408



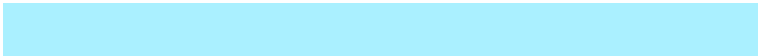
57.3877, 58.8602, 103.5482

# Complementary

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



65.8447, 58.8602, 45.9210



65.7865, 78.0835, 106.2120

# 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.



51.4865, 58.8602, 100.2536



65.8447, 58.8602, 45.9210



45.0914, 58.8602, 68.2737

# Square

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



65.8447, 58.8602, 45.9210



49.1776, 58.8602, 40.8306



47.0906, 58.8602, 86.5093



63.3061, 58.8602, 94.8334



# Rectangle

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



65.8447, 58.8602, 45.9210



56.5599, 58.8602, 36.0541



47.0906, 58.8602, 86.5093



55.3343, 58.8602, 103.8306

# Sweetspot

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



65.8461, 58.8629, 45.9222



84.8761, 85.7916, 86.5813



71.4673, 56.3509, 90.1989



17.8823, 17.9637, 17.9125



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.



65.8461, 58.8629, 45.9222



61.5539, 52.6881, 37.0626



75.8740, 78.9186, 49.2648



18.2686, 18.5053, 18.7534



22.1140, 12.2393, 1.1969

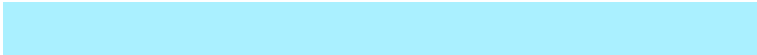


2.2207, 1.3268, 0.1391

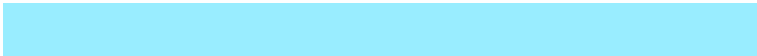


# Inverse Universe

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



65.7865, 78.0835, 106.2120



61.4693, 74.5571, 105.7589



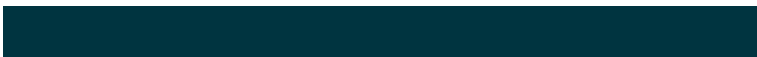
54.8985, 56.3074, 102.5827



18.2660, 19.9037, 23.1290



21.5713, 28.0521, 53.7123



2.1686, 2.8678, 5.2525



# Previews

## White Background



This preview shows how the XYZ color 65.8447, 58.8602, 45.9210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

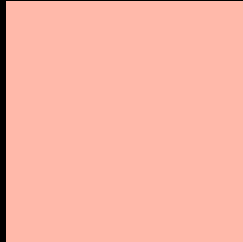
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.8447, 58.8602, 45.9210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

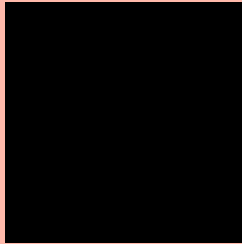
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.8447, 58.8602, 45.9210**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.8447, 58.8602, 45.9210.



This preview shows how white text looks on a background with the XYZ color 65.8447, 58.8602,



# 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

65.8447, 58.8602, 45.9210

### Protanopia

55.7865, 58.8365, 50.5358

### Deuteranopia

59.9639, 58.7344, 45.2222



## Tritanopia

67.9318, 58.7014, 59.9747

# Trichromacy



## Original Color

65.8447, 58.8602, 45.9210

## Protanomaly

58.9315, 58.4563, 48.7346

## Deuteranomaly

62.0679, 58.8269, 45.6195

## Tritanomaly

67.1431, 58.7148, 54.8080

# Monochromacy



## Original Color

65.8447, 58.8602, 45.9210

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

59.9121, 59.4263, 58.1819

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8447, 58.8602, 45.9210 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, 185, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 170)  
}
```

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, 185, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8447, 58.8602, 45.9210 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, 185, 170) }
```



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

```
.border{ border-color:rgb(255, 185, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8447, 58.8602, 45.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 170) }
```

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

```
.background{ background-color: rgb(255,  
185, 170) }
```

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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