

# Converting Colors

XYZ(76.2566, 74.8177, 64.3941)

Have a look what the booklet for  
XYZ(76.2566, 74.8177, 64.3941)  
contains.

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# Color

**XYZ(76.3617, 75.0092,  
64.4864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9C7
RGB	255, 217, 199
RGB Percent	100%, 85%, 78%
CMY	0.0000, 0.1490, 0.2196
CMYK	0.00, 0.15, 0.22, 0.00
HSL	19°, 100%, 89%
HSV	19°, 22%, 100%
XYZ	76.3617, 75.0092, 64.4864
YIQ	226.3100, 28.4260, 2.4580

# Conversions

## Conversions Part 2

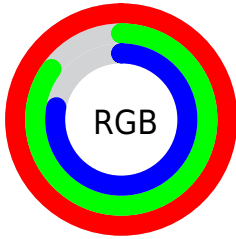
Format	Color
R <sub>Y</sub> B	255, 226, 199
Decimal	16767431
CIE Lab	89.40, 10.52, 13.76
CIE LCh	89, 17.322, 52.608
Yxy	75.0092, 0.3538, 0.3475
Android (android.graphics.Color)	4294957511 (0xFFFFD9C7)
YUV	226.3100, -13.4638, 25.1611
Hunter-Lab	86.6079, 5.8188, 16.4794

# Details

The XYZ color **76.3617, 75.0092, 64.4864** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.8866, 79.9282, 106.2466**, and the grayscale version is **72.5946, 76.3751, 83.1725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3199, 39.8908, 32.3100** is the 20% darker color. If you saturate the color by 10%, you get **69.4175, 65.4685, 48.7682**, and if you desaturate by 10%, it is **84.2731, 85.6899, 82.9764**.

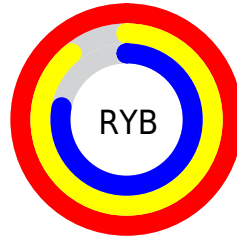
# Distribution



Red (100%)

Green (85%)

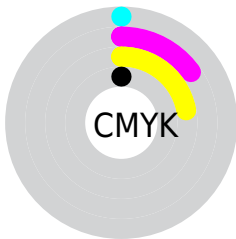
Blue (78%)



Red (100%)

Yellow (89%)

Blue (78%)

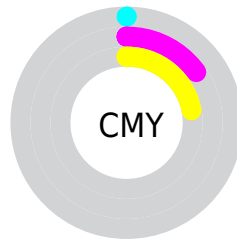


Cyan (0%)

Magenta (15%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3617, 75.0092, 64.4864 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 76.3617, 75.0092, 64.4864 by changing the saturation by 10% instead.




 76.3617, 75.0092,  
64.4864

 76.3617, 75.0092,  
64.4864


471.5103,  
477.9492, 459.1996

 57.0272, 55.6204,  
46.5960


127.2157,  
126.3254, 112.9173

 41.2673, 39.8987,  
32.3644


159.4659,  
159.0216, 144.2950

 28.7166, 27.4596,  
21.3728


196.7522,  
196.9224, 181.0055

 19.0098, 17.9187,  
13.2029

239.4397,  
240.4122, 223.4674

 11.7814, 10.8916,  
7.4361

287.8940,  
289.8754, 272.0992

 6.6661, 5.9940,  
3.6537

342.4802,

 3.2987, 2.8414,

345.6963, 327.3195

1.4374

403.5639,  
408.2595, 389.5468

■ 1.3136, 1.0495,  
0.1706

■ 0.1934, 0.0000,  
0.0000

■ 76.3617, 75.0092,  
64.4864

■ 76.3617, 75.0092,  
64.4864

■ 69.4175, 65.4685,  
48.7682

■ 84.2731, 85.6899,  
82.9764

■ 63.3961, 57.0196,  
35.6822

■ 93.1833, 97.5376,  
104.3592

■ 58.2576, 49.6248,  
25.0838

■ 95.0500, 100.0000,  
108.9000

■ 53.9564, 43.2405,  
16.8121

■ 50.4427, 37.8199,  
10.6874

■ 47.6604, 33.3118,  
6.5028

■ 45.5443, 29.6593,  
4.0098

■ 44.2563, 27.2926,  
2.9354

# Harmonies

## Analogous

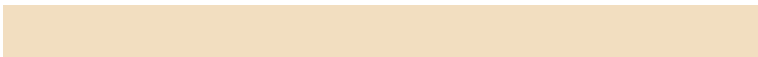
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0903, 75.0092, 73.0189



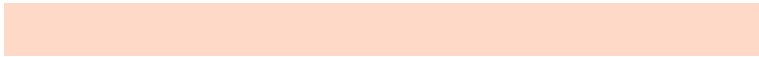
76.3617, 75.0092, 64.4864



72.3483, 75.0092, 60.6317

# Triad

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



76.3617, 75.0092, 64.4864



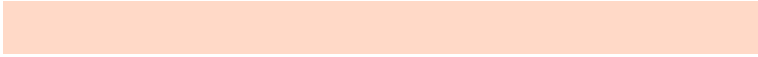
63.5088, 75.0092, 78.7043



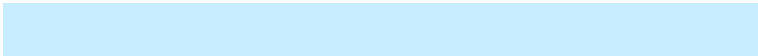
74.4752, 75.0092, 105.1855

# Complementary

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



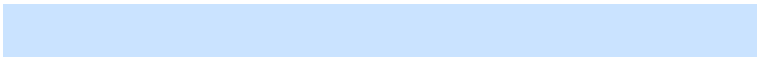
76.3617, 75.0092, 64.4864



71.8866, 79.9282, 106.2466

# 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.



70.2500, 75.0092, 107.0916



76.3617, 75.0092, 64.4864



64.0276, 75.0092, 90.9836

# Square

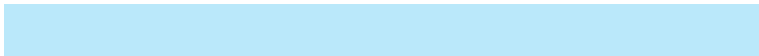
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3617, 75.0092, 64.4864



65.0092, 75.0092, 68.2948



66.4556, 75.0092, 101.6687



77.9713, 75.0092, 96.6917

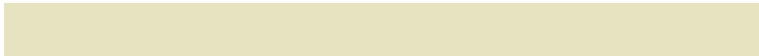


# Rectangle

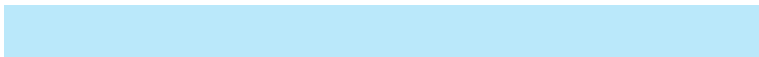
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3617, 75.0092, 64.4864



69.5287, 75.0092, 60.9348



66.4556, 75.0092, 101.6687



73.0889, 75.0092, 106.6500

# Sweetspot

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



76.3634, 75.0125, 64.4879



88.5654, 91.4180, 93.2133



76.9890, 68.2377, 89.4390



18.8420, 19.4147, 19.6766



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.



76.3634, 75.0125, 64.4879



73.4435, 71.0225, 57.8114



84.1209, 90.5274, 67.0738



18.4861, 18.9404, 18.8259



23.2438, 14.4989, 1.5735

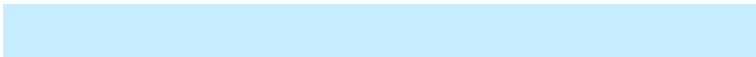


2.3571, 1.5996, 0.1845



# Inverse Universe

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



71.8866, 79.9282, 106.2466



68.2947, 76.6660, 105.8063



64.4699, 65.0949, 103.7744



18.0336, 19.4388, 23.0515



17.3822, 19.6741, 52.3159

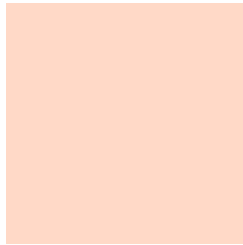


1.7914, 2.1136, 5.1268



# Previews

## White Background



This preview shows how the XYZ color 76.3617, 75.0092, 64.4864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

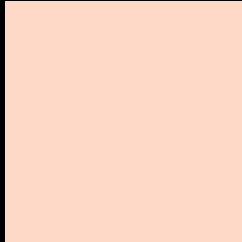
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3617, 75.0092, 64.4864 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 76.3617, 75.0092, 64.4864

## Background



This preview shows how black text looks on a background with the XYZ color 76.3617, 75.0092, 64.4864.



This preview shows how white text looks on a background with the XYZ color 76.3617, 75.0092,



# 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

76.3617, 75.0092, 64.4864

### Protanopia

71.3668, 75.1155, 67.2372

### Deuteranopia

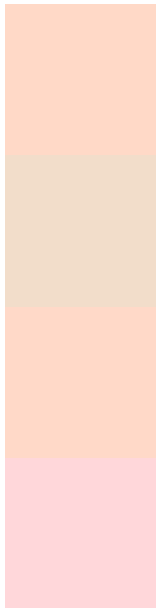
76.4782, 75.0558, 65.1000



## Tritanopia

79.4294, 75.0103, 84.4208

# Trichromacy



## Original Color

76.3617, 75.0092, 64.4864

## Protanomaly

73.1351, 74.8544, 66.4708

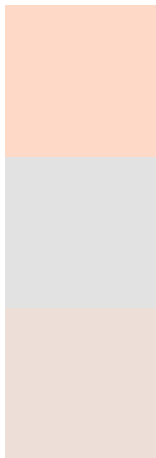
## Deuteranomaly

76.4782, 75.0558, 65.1000

## Tritanomaly

78.1953, 74.9228, 76.6699

# Monochromacy



## Original Color

76.3617, 75.0092, 64.4864

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.7074, 75.7377, 75.6998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3617, 75.0092, 64.4864 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, 217, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 199)  
}
```

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, 217, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3617, 75.0092, 64.4864 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, 217, 199) }
```



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

```
.border{ border-color:rgb(255, 217, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 217, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 217, 199); box-shadow:4px 4px 4px 4px rgb(255, 217, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3617, 75.0092, 64.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 199) }
```

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

```
.background{ background-color: rgb(255,  
217, 199) }
```

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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