

# Converting Colors

XYZ(77.5388, 75.4234, 70.8598)

Have a look what the booklet for  
XYZ(77.5388, 75.4234, 70.8598)  
contains.

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# **Color**

**XYZ(77.5615, 75.4892,  
70.8045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9D1
RGB	255, 217, 209
RGB Percent	100%, 85%, 82%
CMY	0.0000, 0.1490, 0.1804
CMYK	0.00, 0.15, 0.18, 0.00
HSL	10°, 100%, 91%
HSV	10°, 18%, 100%
XYZ	77.5615, 75.4892, 70.8045
YIQ	227.4500, 25.2160, 5.5680

# Conversions

## Conversions Part 2

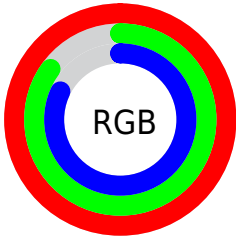
Format	Color
R <sub>Y</sub> B	255, 219, 209
Decimal	16767441
CIE Lab	89.62, 11.97, 8.83
CIE LCh	90, 14.879, 36.418
Yxy	75.4892, 0.3465, 0.3372
Android (android.graphics.Color)	4294957521 (0xFFFFD9D1)
YUV	227.4500, -9.0958, 24.1614
Hunter-Lab	86.8845, 7.2984, 12.5022

# Details

The XYZ color **77.5615, 75.4892, 70.8045** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.6042, 87.2942, 107.3670**, and the grayscale version is **73.3942, 77.2164, 84.0887**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1254, 40.2130, 36.5520** is the 20% darker color. If you saturate the color by 10%, you get **69.5668, 64.1543, 53.7904**, and if you desaturate by 10%, it is **86.7580, 88.4185, 90.7140**.

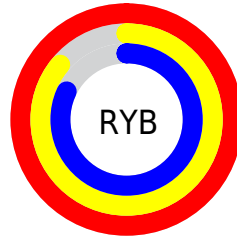
# Distribution



Red (100%)

Green (85%)

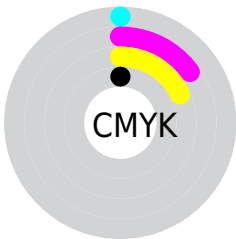
Blue (82%)



Red (100%)

Yellow (86%)

Blue (82%)

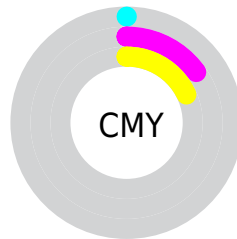


Cyan (0%)

Magenta (15%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5615, 75.4892, 70.8045 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 77.5615, 75.4892, 70.8045 by changing the saturation by 10% instead.




 77.5615, 75.4892,  
70.8045

 77.5615, 75.4892,  
70.8045


475.5390,  
479.5973, 482.2350

 58.0154, 56.0138,  
51.7018


128.9004,  
127.0046, 122.0472

 42.0643, 40.2140,  
36.3869


161.4239,  
159.8134, 155.0242

 29.3430, 27.7054,  
24.4411


199.0040,  
197.8353, 193.4632

 19.4860, 18.1037,  
15.4459

242.0058,  
241.4549, 237.7825

 12.1281, 11.0245,  
8.9828

290.7949,  
291.0565, 288.4009

 6.9038, 6.0833,  
4.6333

345.7365,

 3.4478, 2.8958,

347.0245, 345.7367

1.9788

407.1961,  
409.7433, 410.2085

■ 1.3947, 1.0776,  
0.5422

■ 0.2525, 0.0000,  
0.0000

■ 77.5615, 75.4892,  
70.8045

■ 77.5615, 75.4892,  
70.8045

■ 69.5668, 64.1543,  
53.7904

■ 86.7580, 88.4185,  
90.7140

■ 62.7186, 54.3425,  
39.5320

95.0500, 100.0000,  
108.9000

■ 56.9650, 45.9912,  
27.8850

■ 52.2481, 39.0300,  
18.6901

■ 48.5046, 33.3826,  
11.7706

■ 45.6635, 28.9649,  
6.9256

■ 43.6441, 25.6829,  
3.9191

■ 42.3452, 23.4265,  
2.4336

■ 42.1547, 23.0895,  
2.2349

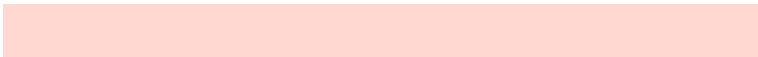
# Harmonies

## Analogous

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



78.9706, 75.4892, 79.9631



77.5615, 75.4892, 70.8045



74.6016, 75.4892, 65.0779

# Triad

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



77.5615, 75.4892, 70.8045



65.4939, 75.4892, 74.3953



72.5395, 75.4892, 103.8860

# Complementary

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



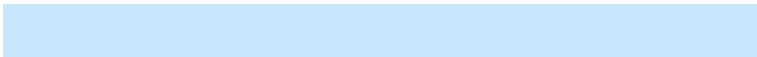
77.5615, 75.4892, 70.8045



77.6042, 87.2942, 107.3670

# 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.



68.9725, 75.4892, 102.0774



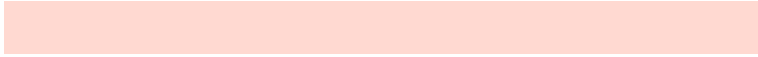
77.5615, 75.4892, 70.8045



64.9839, 75.4892, 84.4678

# Square

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



77.5615, 75.4892, 70.8045



67.6542, 75.4892, 67.0246



66.2367, 75.4892, 94.7457

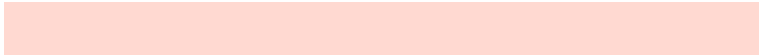


76.0083, 75.4892, 99.4972

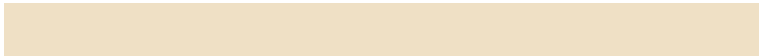


# Rectangle

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



77.5615, 75.4892, 70.8045



72.1906, 75.4892, 63.6818



66.2367, 75.4892, 94.7457



71.3116, 75.4892, 103.9876

# Sweetspot

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



77.5633, 75.4925, 70.8061



89.7965, 92.6697, 97.3557



80.8809, 73.5977, 98.2087



19.0675, 19.6218, 20.5040



0.0000, 0.0000, 0.0000

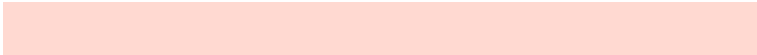


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5633, 75.4925, 70.8061



74.2550, 70.8144, 63.7269



83.8110, 87.9879, 72.8886



18.2649, 18.4979, 18.7521



22.1005, 12.2122, 1.1924

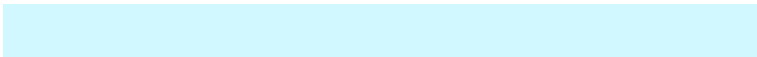


2.2189, 1.3231, 0.1384



# Inverse Universe

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



77.6042, 87.2942, 107.3670



74.3009, 84.7970, 107.0591



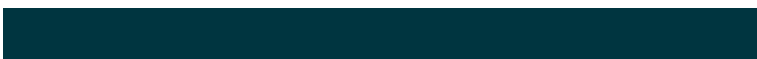
71.0905, 74.2667, 105.1958



18.2701, 19.9118, 23.1304



21.6530, 28.2155, 53.7395

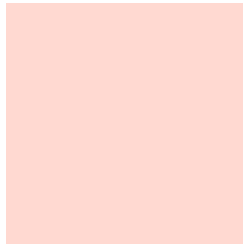


2.1758, 2.8823, 5.2549



# Previews

## White Background



This preview shows how the XYZ color 77.5615, 75.4892, 70.8045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

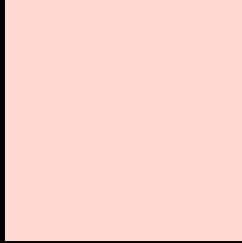
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5615, 75.4892, 70.8045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

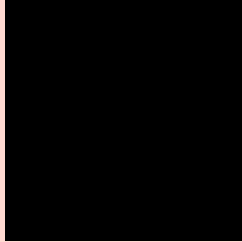
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.5615, 75.4892, 70.8045**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.5615, 75.4892, 70.8045.



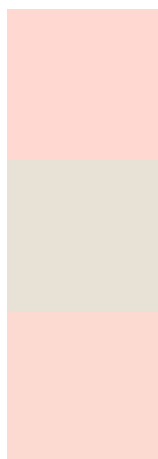
This preview shows how white text looks on a background with the XYZ color 77.5615, 75.4892,



# 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

77.5615, 75.4892, 70.8045

### Protanopia

72.2142, 75.8103, 73.7776

### Deuteranopia

77.0880, 75.6289, 70.8565



## Tritanopia

79.8234, 75.5740, 85.2430

# Trichromacy



## Original Color

77.5615, 75.4892, 70.8045

## Protanomaly

73.9401, 75.5213, 72.9674

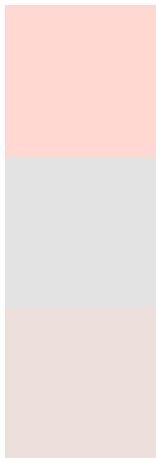
## Deuteranomaly

77.4531, 75.8171, 70.8735

## Tritanomaly

78.9807, 75.6457, 79.5456

# Monochromacy



## Original Color

77.5615, 75.4892, 70.8045

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.2310, 75.9472, 78.4570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5615, 75.4892, 70.8045 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5615, 75.4892, 70.8045 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, 209) }
```



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

```
.border{ border-color:rgb(255, 217, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5615, 75.4892, 70.8045 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
217, 209) }
```

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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