

# Converting Colors

XYZ(77.5866, 75.0099, 72.4452)

Have a look what the booklet for  
XYZ(77.5866, 75.0099, 72.4452)  
contains.

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# Color

**XYZ(77.6795, 75.1252,  
72.6938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD8D4
RGB	255, 216, 212
RGB Percent	100%, 85%, 83%
CMY	0.0000, 0.1529, 0.1686
CMYK	0.00, 0.15, 0.17, 0.00
HSL	6°, 100%, 92%
HSV	6°, 17%, 100%
XYZ	77.6795, 75.1252, 72.6938
YIQ	227.2050, 24.5280, 7.0240

# Conversions

## Conversions Part 2

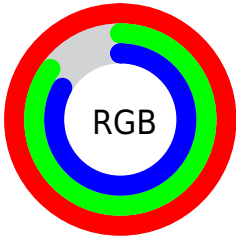
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 216, 212
Decimal	16767188
CIE <sub>Lab</sub>	89.45, 12.94, 7.01
CIE <sub>LCh</sub>	89, 14.721, 28.449
Yxy	75.1252, 0.3445, 0.3332
Android (android.graphics.Color)	4294957268 (0xFFFFD8D4)
YUV	227.2050, -7.4961, 24.3762
Hunter-Lab	86.6748, 8.2940, 10.9461

# Details

The XYZ color **77.6795, 75.1252, 72.6938** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.6975, 90.2087, 107.8193**, and the grayscale version is **73.2047, 77.0171, 83.8716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1194, 39.9298, 37.3856** is the 20% darker color. If you saturate the color by 10%, you get **69.2001, 62.9139, 55.2308**, and if you desaturate by 10%, it is **87.5044, 89.2137, 93.1135**.

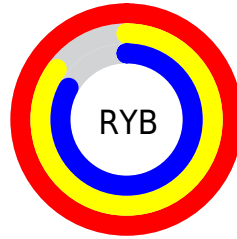
# Distribution



Red (100%)

Green (85%)

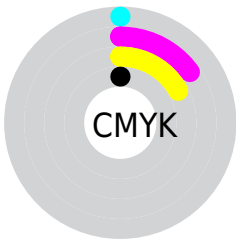
Blue (83%)



Red (100%)

Yellow (85%)

Blue (83%)

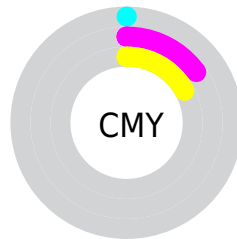


Cyan (0%)

Magenta (15%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6795, 75.1252, 72.6938 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 77.6795, 75.1252, 72.6938 by changing the saturation by 10% instead.




 77.6795, 75.1252,  
72.6938

 77.6795, 75.1252,  
72.6938

475.9342,  
478.3478, 488.9952

 58.1126, 55.7155,  
53.2353


129.0660,  
126.4896, 124.7593

 42.1428, 39.9748,  
37.6017


161.6163,  
159.2130, 158.2034

 29.4047, 27.5189,  
25.3742


199.2251,  
197.1431, 197.1465

 19.5330, 17.9633,  
16.1345

242.2577,  
240.6643, 242.0071

 12.1623, 10.9237,  
9.4640

291.0796,  
290.1610, 293.2037

 6.9273, 6.0155,  
4.9441

346.0561,

 3.4626, 2.8545,

346.0175, 351.1549

2.1564

407.5525,  
408.6183, 416.2792

■ 1.4029, 1.0563,  
0.6490

■ 0.2583, 0.0000,  
0.0000

■ 77.6795, 75.1252,  
72.6938

■ 77.6795, 75.1252,  
72.6938

■ 69.2001, 62.9139,  
55.2308

■ 87.5044, 89.2137,  
93.1135

■ 62.0022, 52.4913,  
40.5829

95.0500, 100.0000,  
108.9000

■ 56.0250, 43.7763,  
28.6041

■ 51.2004, 36.6776,  
19.1332

■ 47.4537, 31.0956,  
11.9918

■ 44.7013, 26.9194,  
6.9778

■ 42.8469, 24.0232,  
3.8546

■ 41.7740, 22.2578,  
2.3242

■ 41.5615, 21.9030,  
2.0372

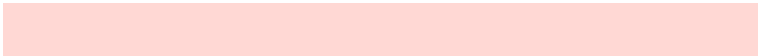
# Harmonies

## Analogous

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



78.5663, 75.1252, 82.3375



77.6795, 75.1252, 72.6938



75.0963, 75.1252, 66.0081

# Triad

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



77.6795, 75.1252, 72.6938



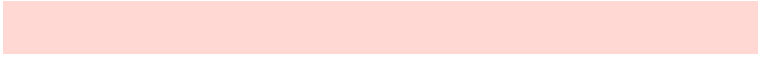
65.6538, 75.1252, 71.8362



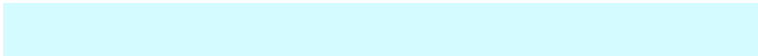
71.2166, 75.1252, 103.3113

# Complementary

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



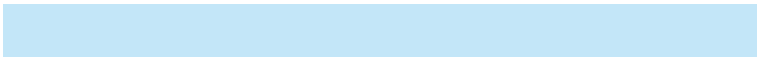
77.6795, 75.1252, 72.6938



79.6975, 90.2087, 107.8193

# 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.



67.8352, 75.1252, 99.9256



77.6795, 75.1252, 72.6938



64.6912, 75.1252, 81.2620

# Square

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



77.6795, 75.1252, 72.6938



68.1500, 75.1252, 65.5431



65.4764, 75.1252, 91.6335



74.7605, 75.1252, 100.5414



# Rectangle

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



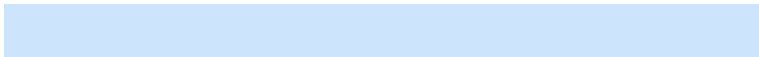
77.6795, 75.1252, 72.6938



72.8025, 75.1252, 63.8354



65.4764, 75.1252, 91.6335



70.0240, 75.1252, 102.8503

# Sweetspot

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



77.6813, 75.1285, 72.6954



89.4863, 92.0492, 97.2522



82.2622, 75.3391, 101.8179



18.9924, 19.4716, 20.4790



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.



77.6813, 75.1285, 72.6954



74.8782, 71.0979, 66.9035



83.4324, 86.6306, 74.6124



18.1454, 18.2589, 18.7123



21.7621, 11.5354, 1.0796

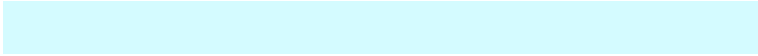


2.1626, 1.2105, 0.1197

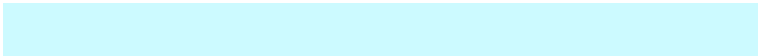


# Inverse Universe

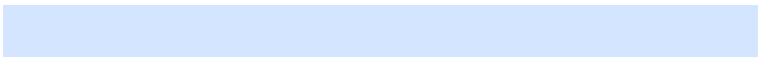
The Inverse Universe completely reimagines the original color for something new.



79.6975, 90.2087, 107.8193



77.2152, 88.5841, 107.6365



73.4757, 77.7650, 105.7453



18.4017, 20.1751, 23.1742



24.4592, 33.8280, 54.6749

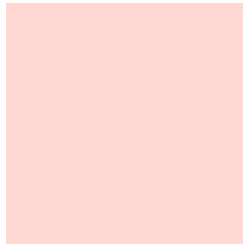


2.4219, 3.3746, 5.3370



# Previews

## White Background



This preview shows how the XYZ color 77.6795, 75.1252, 72.6938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

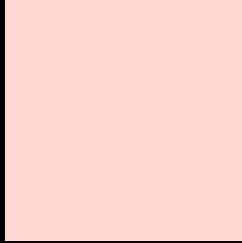
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6795, 75.1252, 72.6938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

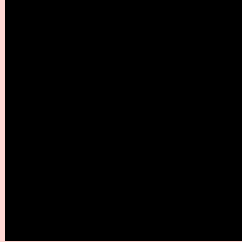
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.6795, 75.1252, 72.6938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6795, 75.1252, 72.6938.



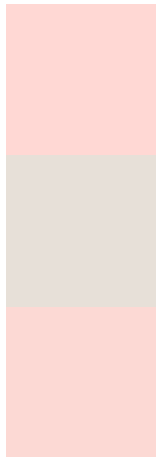
This preview shows how white text looks on a background with the XYZ color 77.6795, 75.1252,

72.6938.

# 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

77.6795, 75.1252, 72.6938

### Protanopia

72.0053, 75.2581, 75.6969

### Deuteranopia

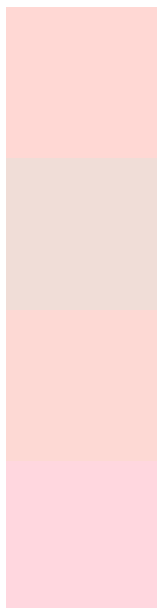
76.8414, 75.0746, 72.7282



## Tritanopia

79.5695, 75.0663, 85.1584

# Trichromacy



## Original Color

77.6795, 75.1252, 72.6938

## Protanomaly

74.0574, 75.1445, 74.8911

## Deuteranomaly

77.2045, 75.2618, 72.7452

## Tritanomaly

78.8597, 75.1886, 80.1685

# Monochromacy



## Original Color

77.6795, 75.1252, 72.6938

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.4975, 76.0538, 79.8607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6795, 75.1252, 72.6938 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, 216, 212) looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 212)  
}
```

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, 216, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6795, 75.1252, 72.6938 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, 216, 212) }
```



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

```
.border{ border-color:rgb(255, 216, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 216, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6795, 75.1252, 72.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 212) }
```

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

```
.background{ background-color: rgb(255,  
216, 212) }
```

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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