

# Converting Colors

XYZ(78.6772, 77.3216, 72.4067)

Have a look what the booklet for  
XYZ(78.6772, 77.3216, 72.4067)  
contains.

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# Color

**XYZ(78.5911, 77.1495,  
72.3772)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDCD3
RGB	255, 220, 211
RGB Percent	100%, 86%, 83%
CMY	0.0000, 0.1372, 0.1725
CMYK	0.00, 0.14, 0.17, 0.00
HSL	12°, 100%, 91%
HSV	12°, 17%, 100%
XYZ	78.5911, 77.1495, 72.3772
YIQ	229.4390, 23.7490, 4.6210

# Conversions

## Conversions Part 2

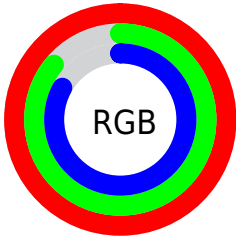
Format	Color
<b>R<sub>YB</sub></b>	255, 222, 211
Decimal	16768211
CIE <sub>Lab</sub>	90.39, 10.72, 8.89
CIE <sub>LCh</sub>	90, 13.922, 39.658
Yxy	77.1495, 0.3445, 0.3382
Android (android.graphics.Color)	4294958291 (0xFFFFDCD3)
YUV	229.4390, -9.0904, 22.4170
Hunter-Lab	87.8348, 6.0039, 12.6285

# Details

The XYZ color **78.5911, 77.1495, 72.3772** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.8689, 86.9780, 107.2921**, and the grayscale version is **74.8537, 78.7519, 85.7608**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8296, 41.3504, 37.6223** is the 20% darker color. If you saturate the color by 10%, you get **70.6406, 65.9651, 55.1865**, and if you desaturate by 10%, it is **87.6981, 89.8349, 92.4572**.

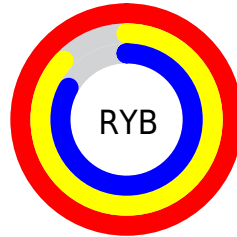
# Distribution



Red (100%)

Green (86%)

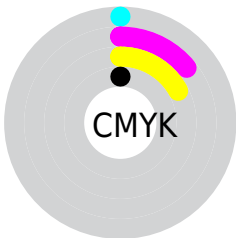
Blue (83%)



Red (100%)

Yellow (87%)

Blue (83%)

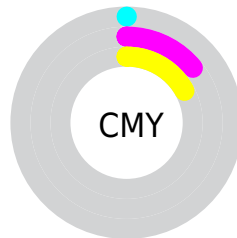


Cyan (0%)

Magenta (14%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5911, 77.1495, 72.3772 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 78.5911, 77.1495, 72.3772 by changing the saturation by 10% instead.



 78.5911, 77.1495,  
72.3772

 78.5911, 77.1495,  
72.3772


478.9811,  
485.2736, 487.8662

 58.8641, 57.3756,  
52.9781


130.3440,  
129.3505, 124.3054

 42.7497, 41.3069,  
37.3977


163.1007,  
162.5464, 157.6716

 29.8825, 28.5589,  
25.2174


200.9313,  
200.9850, 196.5305

 19.8970, 18.7474,  
16.0186

244.2012,  
245.0508, 241.3008

 12.4280, 11.4879,  
9.3828

293.2758,  
295.1282, 292.4010

 7.1102, 6.3960,  
4.8915

348.5204,

 3.5780, 3.0873,

351.6015, 350.2496

2.1261

410.3004,  
414.8552, 415.2652

■ 1.4663, 1.1775,  
0.6312

■ 0.3027, 0.0432,  
0.0000

■ 78.5911, 77.1495,  
72.3772

■ 78.5911, 77.1495,  
72.3772

■ 70.6406, 65.9651,  
55.1865

■ 87.6981, 89.8349,  
92.4572

■ 63.7944, 56.2163,  
40.7470

95.0500, 100.0000,  
108.9000

■ 58.0042, 47.8473,  
28.9164

■ 53.2157, 40.7948,  
19.5379

■ 49.3700, 34.9907,  
12.4373

■ 46.4012, 30.3605,  
7.4177

■ 44.2346, 26.8210,  
4.2481

■ 42.7791, 24.2768,  
2.6322

■ 42.4763, 23.7326,  
2.3421

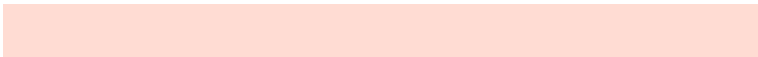
# Harmonies

## Analogous

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



80.1114, 77.1495, 80.8343



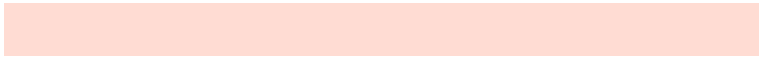
78.5911, 77.1495, 72.3772



75.6745, 77.1495, 67.3142

# Triad

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



78.5911, 77.1495, 72.3772



67.2426, 77.1495, 77.5276



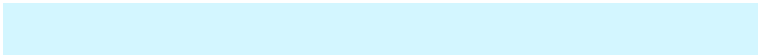
74.4545, 77.1495, 104.3050

# Complementary

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



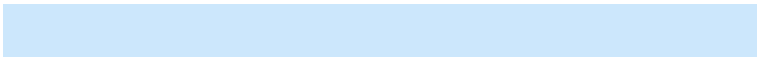
78.5911, 77.1495, 72.3772



77.8689, 86.9780, 107.2921

# 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.



71.0311, 77.1495, 103.2438



78.5911, 77.1495, 72.3772



66.9393, 77.1495, 87.2528

# Square

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



78.5911, 77.1495, 72.3772



69.1479, 77.1495, 70.1209



68.3058, 77.1495, 96.8108



77.6738, 77.1495, 99.6053



# Rectangle

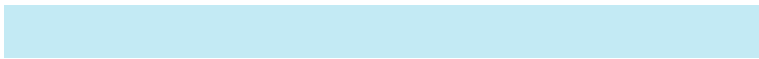
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



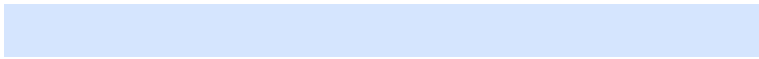
78.5911, 77.1495, 72.3772



73.3681, 77.1495, 66.2906



68.3058, 77.1495, 96.8108



73.2885, 77.1495, 104.6182

# Sweetspot

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



78.5929, 77.1528, 72.3788



89.9145, 92.9056, 97.3950



81.2000, 74.5155, 97.4533



19.0961, 19.6789, 20.5135



0.0000, 0.0000, 0.0000

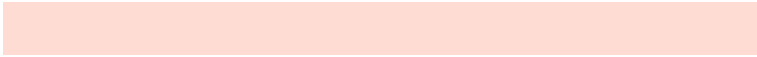


20.3446, 21.4041, 23.3091



# Same Dimension

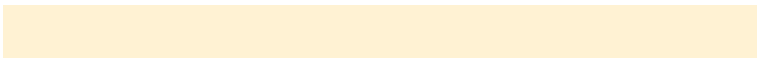
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5929, 77.1528, 72.3788



75.4815, 72.7900, 65.6079



84.6909, 89.3488, 74.4115



18.3104, 18.5890, 18.7673



22.2789, 12.5690, 1.2518

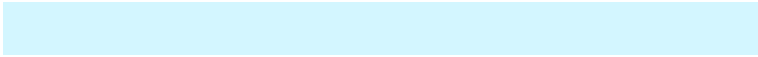


2.2426, 1.3707, 0.1464

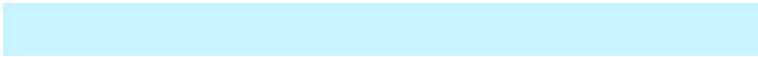


# Inverse Universe

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



77.8689, 86.9780, 107.2921



74.6215, 84.4259, 106.9706



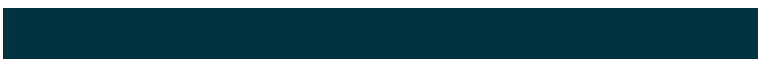
71.6242, 74.4886, 105.2105



18.2206, 19.8129, 23.1139



20.6777, 26.2649, 53.4144

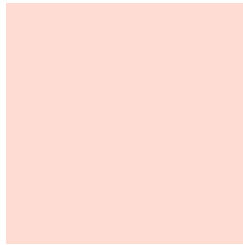


2.0892, 2.7091, 5.2261



# Previews

## White Background



This preview shows how the XYZ color 78.5911, 77.1495, 72.3772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

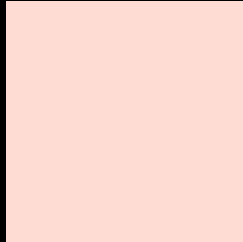
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5911, 77.1495, 72.3772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

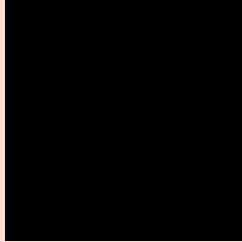
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.5911, 77.1495, 72.3772

## Background



This preview shows how black text looks on a background with the XYZ color 78.5911, 77.1495, 72.3772.



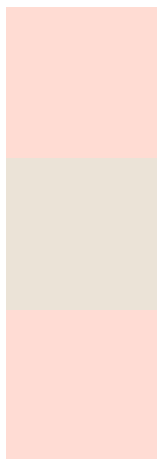
This preview shows how white text looks on a background with the XYZ color 78.5911, 77.1495,



# 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

78.5911, 77.1495, 72.3772

### Protanopia

73.9958, 77.5066, 75.3503

### Deuteranopia

78.7169, 77.1999, 73.0396



## Tritanopia

81.0194, 77.2860, 87.7383

# Trichromacy



## Original Color

78.5911, 77.1495, 72.3772

## Protanomaly

75.4112, 77.0436, 74.5146

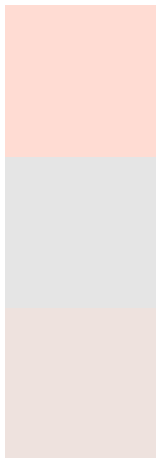
## Deuteranomaly

78.7169, 77.1999, 73.0396

## Tritanomaly

80.1621, 77.3593, 81.9410

# Monochromacy



## Original Color

78.5911, 77.1495, 72.3772

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.6411, 77.8438, 80.1459

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5911, 77.1495, 72.3772 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, 220, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 211)  
}
```

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, 220, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5911, 77.1495, 72.3772 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, 220, 211) }
```



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

```
.border{ border-color:rgb(255, 220, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5911, 77.1495, 72.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 211) }
```

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

```
.background{ background-color: rgb(255,  
220, 211) }
```

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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