

# Converting Colors

XYZ(86.2041, 81.1584, 72.3039)

Have a look what the booklet for  
XYZ(86.2041, 81.1584, 72.3039)  
contains.

<b>XYZ(78.4661, 77.0995, 71.7189)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(78.4661, 77.0995,  
71.7189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCD2
RGB	255, 220, 210
RGB Percent	100%, 86%, 82%
CMY	0.0000, 0.1372, 0.1765
CMYK	0.00, 0.14, 0.18, 0.00
HSL	13°, 100%, 91%
HSV	13°, 18%, 100%
XYZ	78.4661, 77.0995, 71.7189
YIQ	229.3250, 24.0700, 4.3100

# Conversions

## Conversions Part 2

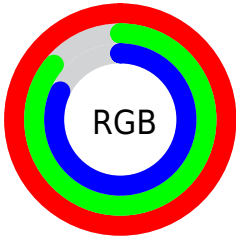
Format	Color
R <sub>Y</sub> B	255, 223, 210
Decimal	16768210
CIE Lab	90.37, 10.57, 9.38
CIE LCh	90, 14.128, 41.580
Yxy	77.0995, 0.3452, 0.3392
Android (android.graphics.Color)	4294958290 (0xFFFFD0D2)
YUV	229.3250, -9.5272, 22.5170
Hunter-Lab	87.8063, 5.8514, 13.0372

# Details

The XYZ color **78.4661, 77.0995, 71.7189** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.2799, 86.2241, 107.1776**, and the grayscale version is **74.7726, 78.6666, 85.6679**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7446, 41.3163, 37.1745** is the 20% darker color. If you saturate the color by 10%, you get **70.6393, 66.1316, 54.6652**, and if you desaturate by 10%, it is **87.4200, 89.5113, 91.6477**.

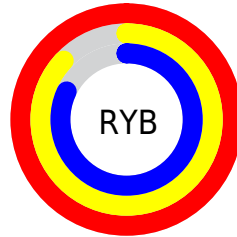
# Distribution



Red (100%)

Green (86%)

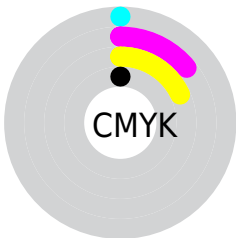
Blue (82%)



Red (100%)

Yellow (87%)

Blue (82%)

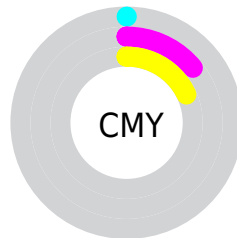


Cyan (0%)

Magenta (14%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4661, 77.0995, 71.7189 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 78.4661, 77.0995, 71.7189 by changing the saturation by 10% instead.




 78.4661, 77.0995,  
71.7189

 78.4661, 77.0995,  
71.7189


478.5639,  
485.1032, 485.5138

 58.7611, 57.3345,  
52.4436


130.1689,  
129.2799, 123.3608

 42.6664, 41.2739,  
36.9741


162.8973,  
162.4642, 156.5645

 29.8169, 28.5332,  
24.8918


200.6976,  
200.8903, 195.2482

 19.8470, 18.7280,  
15.7782

243.9350,  
244.9428, 239.8302

 12.3915, 11.4739,  
9.2147

292.9750,  
295.0059, 290.7293

 7.0850, 6.3865,  
4.7828

348.1830,

 3.5621, 3.0815,

351.4640, 348.3639

2.0639

409.9241,  
414.7017, 413.1525

■ 1.4575, 1.1744,  
0.5941

■ 0.2967, 0.0407,  
0.0000

■ 78.4661, 77.0995,  
71.7189

■ 78.4661, 77.0995,  
71.7189

■ 70.6393, 66.1316,  
54.6652

■ 87.4200, 89.5113,  
91.6477

■ 63.8891, 56.5451,  
40.3486

95.0500, 100.0000,  
108.9000

■ 58.1685, 48.2876,  
28.6271

■ 53.4251, 41.2992,  
19.3436

■ 49.6016, 35.5158,  
12.3241

■ 46.6344, 30.8671,  
7.3712

■ 44.4507, 27.2749,  
4.2530

■ 42.9609, 24.6493,  
2.6658

■ 42.6880, 24.1560,  
2.4127

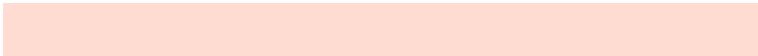
# Harmonies

## Analogous

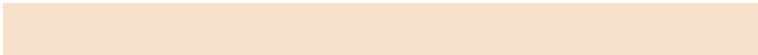
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1199, 77.0995, 80.1135



78.4661, 77.0995, 71.7189



75.4423, 77.0995, 66.8529

# Triad

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



78.4661, 77.0995, 71.7189



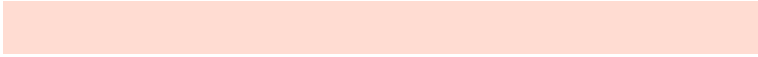
67.0393, 77.0995, 77.9656



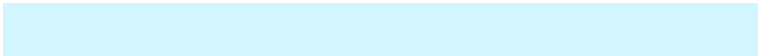
74.6491, 77.0995, 104.4260

# Complementary

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



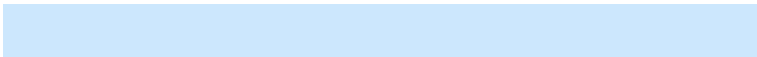
78.4661, 77.0995, 71.7189



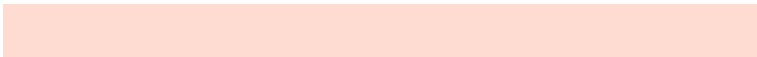
77.2799, 86.2241, 107.1776

# 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.



71.1609, 77.0995, 103.7345



78.4661, 77.0995, 71.7189



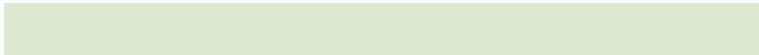
66.8424, 77.0995, 87.9035

# Square

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



78.4661, 77.0995, 71.7189



68.8760, 77.0995, 70.2553



68.3291, 77.0995, 97.4943

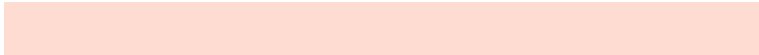


77.8694, 77.0995, 99.3140

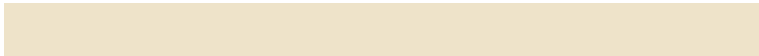


# Rectangle

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



78.4661, 77.0995, 71.7189



73.0941, 77.0995, 66.0088



68.3291, 77.0995, 97.4943



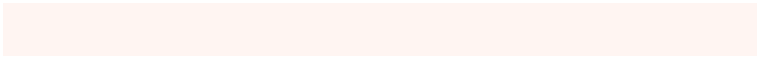
73.4677, 77.0995, 104.8749

# Sweetspot

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



78.4679, 77.1028, 71.7205



89.9826, 93.0419, 97.4177



80.8067, 73.9619, 96.6038



19.1126, 19.7119, 20.5190



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

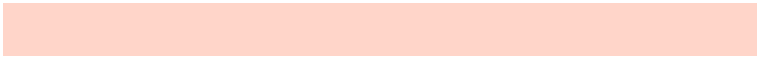


# Same Dimension

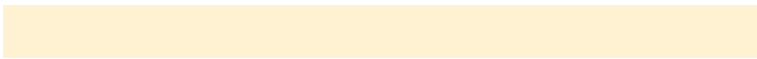
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4679, 77.1028, 71.7205



75.7194, 73.2658, 65.6872



84.6998, 89.5667, 73.7978



18.3368, 18.6418, 18.7761



22.3953, 12.8019, 1.2906

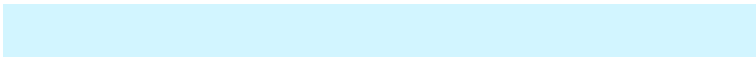


2.2575, 1.4004, 0.1513

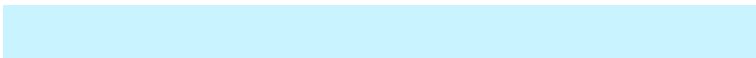


# Inverse Universe

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



77.2799, 86.2241, 107.1776



74.3374, 83.8577, 106.8759



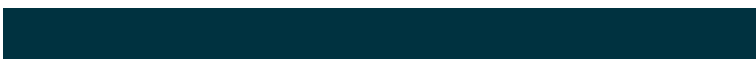
70.9501, 73.5644, 105.0676



18.1922, 19.7559, 23.1044



20.1363, 25.1822, 53.2339

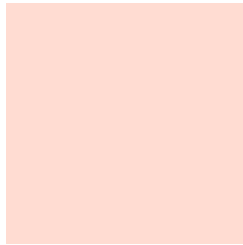


2.0409, 2.6125, 5.2100



# Previews

## White Background



This preview shows how the XYZ color 78.4661, 77.0995, 71.7189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

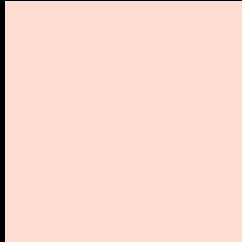
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.4661, 77.0995, 71.7189 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 78.4661, 77.0995, 71.7189**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.4661, 77.0995, 71.7189.



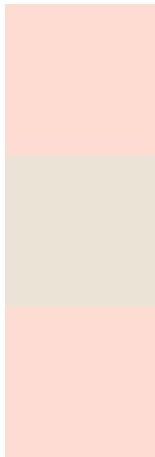
This preview shows how white text looks on a background with the XYZ color 78.4661, 77.0995,

71.7189.

# 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

78.4661, 77.0995, 71.7189

### Protanopia

73.8676, 77.4554, 74.6755

### Deuteranopia

78.5911, 77.1495, 72.3772



## Tritanopia

81.0194, 77.2860, 87.7383

# Trichromacy



## Original Color

78.4661, 77.0995, 71.7189

## Protanomaly

75.2838, 76.9927, 73.8440

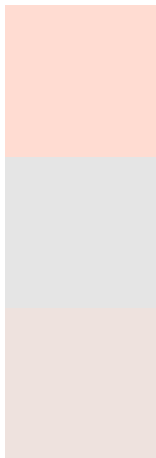
## Deuteranomaly

78.5911, 77.1495, 72.3772

## Tritanomaly

80.1621, 77.3593, 81.9410

# Monochromacy



## Original Color

78.4661, 77.0995, 71.7189

## 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 78.4661, 77.0995, 71.7189 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 78.4661, 77.0995, 71.7189 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, 210) }
```



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

```
.border{ border-color:rgb(255, 220, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 220, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 220, 210); box-shadow:4px 4px 4px 4px rgb(255, 220, 210) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.4661, 77.0995, 71.7189 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, 210) }
```

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

```
.background{ background-color: rgb(255,  
220, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor