

# Converting Colors

XYZ(80.7423, 78.5116, 70.1304)

Have a look what the booklet for  
XYZ(80.7423, 78.5116, 70.1304)  
contains.

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# Color

**XYZ(78.3589, 77.4779,  
69.8563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDCF
RGB	255, 221, 207
RGB Percent	100%, 87%, 81%
CMY	0.0000, 0.1333, 0.1882
CMYK	0.00, 0.13, 0.19, 0.00
HSL	18°, 100%, 91%
HSV	18°, 19%, 100%
XYZ	78.3589, 77.4779, 69.8563
YIQ	229.5700, 24.7580, 2.8540

# Conversions

## Conversions Part 2

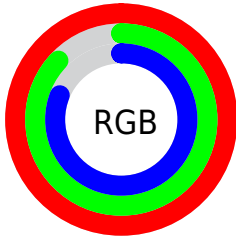
Format	Color
R <sub>Y</sub> B	255, 227, 207
Decimal	16768463
CIE Lab	90.54, 9.61, 11.20
CIE LCh	91, 14.752, 49.370
Yxy	77.4779, 0.3472, 0.3433
Android (android.graphics.Color)	4294958543 (0xFFFFDDCF)
YUV	229.5700, -11.1270, 22.3021
Hunter-Lab	88.0215, 4.8673, 14.5609

# Details

The XYZ color **78.3589, 77.4779, 69.8563** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.2366, 83.3935, 106.7389**, and the grayscale version is **74.9645, 78.8685, 85.8878**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6747, 41.5781, 35.9132** is the 20% darker color. If you saturate the color by 10%, you get **70.9754, 67.3034, 53.2365**, and if you desaturate by 10%, it is **86.7627, 88.8865, 89.3020**.

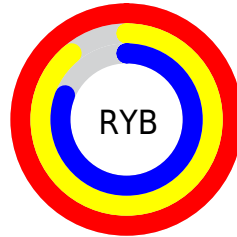
# Distribution



Red (100%)

Green (87%)

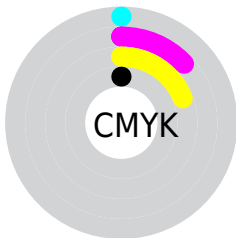
Blue (81%)



Red (100%)

Yellow (89%)

Blue (81%)

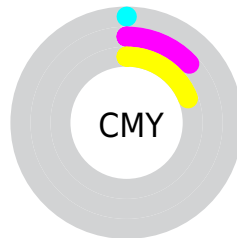


Cyan (0%)

Magenta (13%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3589, 77.4779, 69.8563 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 78.3589, 77.4779, 69.8563 by changing the saturation by 10% instead.




 78.3589, 77.4779,  
69.8563

 78.3589, 77.4779,  
69.8563


478.2060,  
486.3919, 478.8208

 58.6727, 57.6452,  
50.9333


130.0186,  
129.8139, 120.6830

 42.5950, 41.5235,  
35.7792


162.7228,  
163.0859, 153.4238

 29.7606, 28.7283,  
23.9754


200.4970,  
201.6065, 191.6076

 19.8041, 18.8754,  
15.1033

243.7067,  
245.7601, 235.6530

 12.3602, 11.5803,  
8.7445

292.7170,  
295.9310, 285.9784

 7.0634, 6.4586,  
4.4804

347.8934,

 3.5485, 3.1259,

352.5037, 343.0025

1.8924

409.6013,  
415.8625, 407.1438

■ 1.4500, 1.1978,  
0.4879

■ 0.2914, 0.0599,  
0.0000

■ 78.3589, 77.4779,  
69.8563

■ 78.3589, 77.4779,  
69.8563

■ 70.9754, 67.3034,  
53.2365

■ 86.7627, 88.8865,  
89.3020

■ 64.5662, 58.3109,  
39.3054

95.0500, 100.0000,  
108.9000

■ 59.0900, 50.4592,  
27.9213

■ 54.5005, 43.7012,  
18.9277

■ 50.7466, 37.9859,  
12.1506

■ 47.7718, 33.2581,  
7.3918

■ 45.5108, 29.4566,  
4.4174

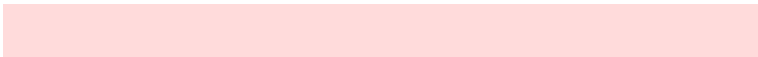
■ 43.8774, 26.5085,  
2.8903

■ 43.7157, 26.2114,  
2.7552

# Harmonies

## Analogous

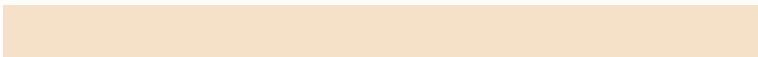
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5404, 77.4779, 77.7971



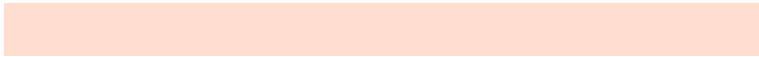
78.3589, 77.4779, 69.8563



74.9572, 77.4779, 65.9197

# Triad

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



78.3589, 77.4779, 69.8563



66.8834, 77.4779, 80.6665



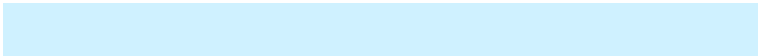
76.0194, 77.4779, 105.0236

# Complementary

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



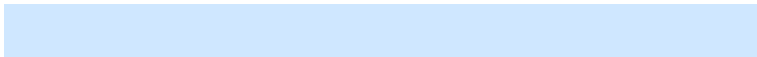
78.3589, 77.4779, 69.8563



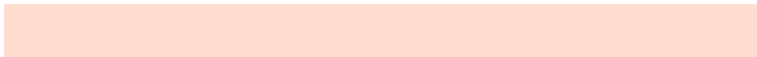
75.2366, 83.3935, 106.7389

# 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.



72.3391, 77.4779, 105.9542



78.3589, 77.4779, 69.8563



67.1463, 77.4779, 91.2826

# Square

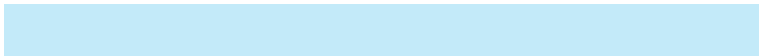
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3589, 77.4779, 69.8563



68.3847, 77.4779, 71.8057



69.1153, 77.4779, 100.7445



79.1588, 77.4779, 98.2990



# Rectangle

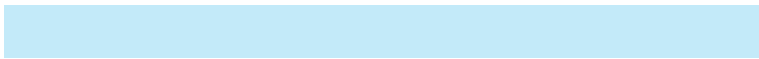
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3589, 77.4779, 69.8563



72.4910, 77.4779, 65.8540



69.1153, 77.4779, 100.7445



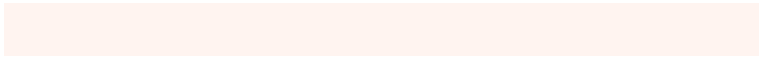
74.8019, 77.4779, 106.0445

# Sweetspot

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



78.3608, 77.4813, 69.8579



89.3237, 92.3336, 95.3189



79.4903, 72.2613, 93.2913



18.9905, 19.5905, 20.0997



0.0000, 0.0000, 0.0000

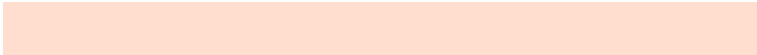


20.3446, 21.4041, 23.3091

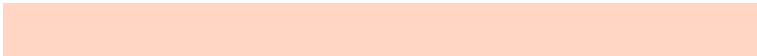


# Same Dimension

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



78.3608, 77.4813, 69.8579



75.1544, 73.0829, 62.5790



85.0343, 90.8283, 72.0824



18.4411, 18.8504, 18.8109



22.9534, 13.9179, 1.4767

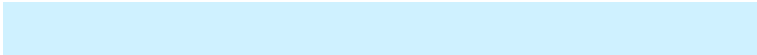


2.3243, 1.5340, 0.1736

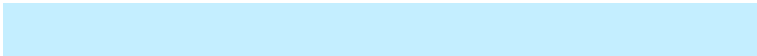


# Inverse Universe

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



75.2366, 83.3935, 106.7389



71.4479, 80.0864, 106.3003



68.6990, 70.3185, 104.5597



18.0809, 19.5335, 23.0673



18.1582, 21.2260, 52.5746

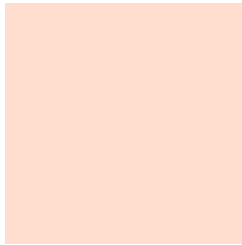


1.8624, 2.2555, 5.1505



# Previews

## White Background



This preview shows how the XYZ color 78.3589, 77.4779, 69.8563 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 78.3589, 77.4779, 69.8563 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 78.3589, 77.4779, 69.8563**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.3589, 77.4779, 69.8563.



This preview shows how white text looks on a background with the XYZ color 78.3589, 77.4779,

69.8563.

# 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

78.3589, 77.4779, 69.8563

### Protanopia

73.6940, 77.4242, 72.0330

### Deuteranopia

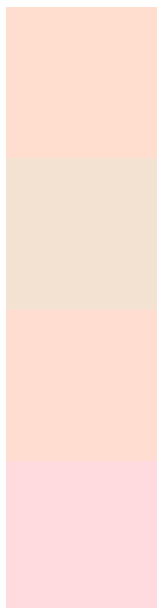
78.6051, 77.5764, 71.1524



## Tritanopia

81.0194, 77.2860, 87.7383

# Trichromacy



## Original Color

78.3589, 77.4779, 69.8563

## Protanomaly

75.3960, 77.5086, 71.3085

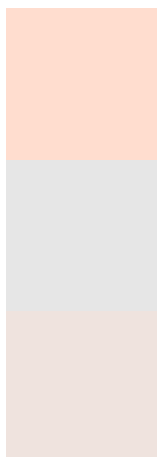
## Deuteranomaly

78.4816, 77.5270, 70.5023

## Tritanomaly

80.0261, 77.3049, 81.2245

# Monochromacy



## Original Color

78.3589, 77.4779, 69.8563

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

76.2505, 78.5628, 80.2525

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3589, 77.4779, 69.8563 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, 221, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 207)  
}
```

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, 221, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3589, 77.4779, 69.8563 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, 221, 207) }
```



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

```
.border{ border-color:rgb(255, 221, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 221, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 221, 207); box-shadow:4px 4px 4px 4px rgb(255, 221, 207) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3589, 77.4779, 69.8563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 207) }
```

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

```
.background{ background-color: rgb(255,  
221, 207) }
```

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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