

# Converting Colors

XYZ(87.1840, 82.2794, 69.4129)

Have a look what the booklet for  
XYZ(87.1840, 82.2794, 69.4129)  
contains.

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# Color

**XYZ(78.5019, 77.9588,  
69.3026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDECE
RGB	255, 222, 206
RGB Percent	100%, 87%, 81%
CMY	0.0000, 0.1294, 0.1922
CMYK	0.00, 0.13, 0.19, 0.00
HSL	20°, 100%, 90%
HSV	20°, 19%, 100%
XYZ	78.5019, 77.9588, 69.3026
YIQ	230.0430, 24.8040, 2.0200

# Conversions

## Conversions Part 2

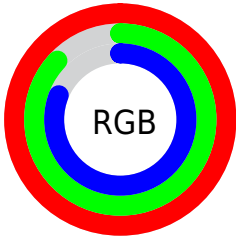
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 230, 206
Decimal	16768718
CIE Lab	90.76, 8.94, 12.03
CIE LCh	91, 14.991, 53.378
Yxy	77.9588, 0.3477, 0.3453
Android (android.graphics.Color)	4294958798 (0xFFFFDECE)
YUV	230.0430, -11.8532, 21.8873
Hunter-Lab	88.2943, 4.1883, 15.2690

# Details

The XYZ color **78.5019, 77.9588, 69.3026** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.3693, 82.0724, 106.5296**, and the grayscale version is **75.3193, 79.2418, 86.2943**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7749, 41.9102, 35.5408** is the 20% darker color. If you saturate the color by 10%, you get **71.3214, 68.1597, 52.8456**, and if you desaturate by 10%, it is **86.6532, 88.8946, 88.5646**.

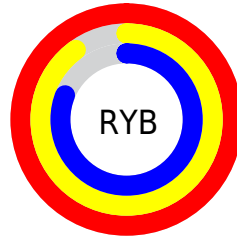
# Distribution



Red (100%)

Green (87%)

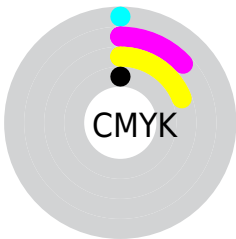
Blue (81%)



Red (100%)

Yellow (90%)

Blue (81%)

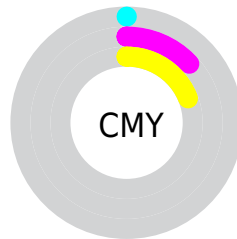


Cyan (0%)

Magenta (13%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5019, 77.9588, 69.3026 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 78.5019, 77.9588, 69.3026 by changing the saturation by 10% instead.



 78.5019, 77.9588,  
69.3026

 78.5019, 77.9588,  
69.3026


478.6834,  
488.0269, 476.8203

 58.7906, 58.0401,  
50.4849


130.2190,  
130.4920, 119.8854

 42.6903, 41.8409,  
35.4250


162.9556,  
163.8754, 152.4877

 29.8356, 28.9767,  
23.7042


200.7645,  
202.5158, 190.5218

 19.8613, 19.0632,  
14.9042

244.0113,  
246.7976, 234.4064

 12.4020, 11.7160,  
8.6063

293.0612,  
297.1052, 284.5600

 7.0922, 6.5506,  
4.3920

348.2796,

 3.5667, 3.1827,

353.8230, 341.4012

1.8428

410.0319,  
417.3355, 405.3484

■ 1.4600, 1.2278,  
0.4559

■ 0.2984, 0.0843,  
0.0000

■ 78.5019, 77.9588,  
69.3026

■ 78.5019, 77.9588,  
69.3026

■ 71.3214, 68.1597,  
52.8456

■ 86.6532, 88.8946,  
88.5646

■ 65.0682, 59.4499,  
39.0566

95.0500, 100.0000,  
108.9000

■ 59.7033, 51.7933,  
27.7945

■ 55.1829, 45.1478,  
18.9031

■ 51.4588, 39.4685,  
12.2084

■ 48.4772, 34.7062,  
7.5123

■ 46.1764, 30.8070,  
4.5802

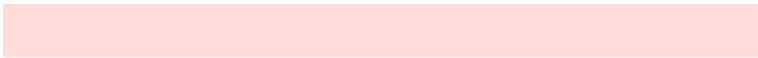
■ 44.4712, 27.7048,  
3.0611

■ 44.3556, 27.4912,  
2.9685

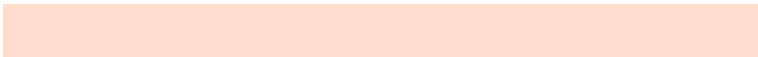
# Harmonies

## Analogous

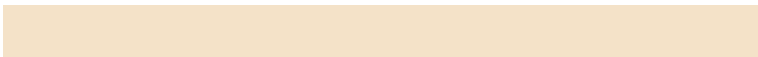
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9455, 77.9588, 76.9174



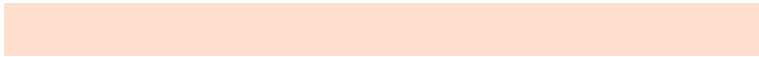
78.5019, 77.9588, 69.3026



74.9357, 77.9588, 65.9041

# Triad

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



78.5019, 77.9588, 69.3026



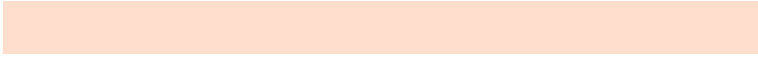
67.1343, 77.9588, 82.5147



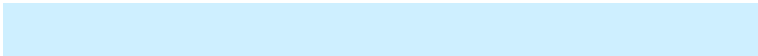
77.0083, 77.9588, 105.3797

# Complementary

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



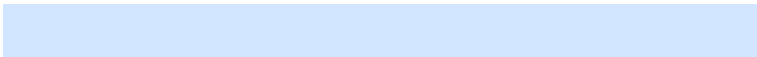
78.5019, 77.9588, 69.3026



74.3693, 82.0724, 106.5296

# 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.



73.2656, 77.9588, 107.1970



78.5019, 77.9588, 69.3026



67.6471, 77.9588, 93.3823

# Square

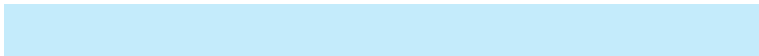
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5019, 77.9588, 69.3026



68.4360, 77.9588, 73.1033



69.8610, 77.9588, 102.6413

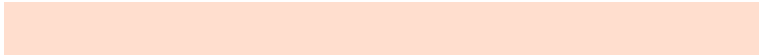


80.0630, 77.9588, 97.8666

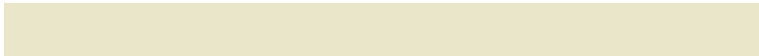


# Rectangle

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



78.5019, 77.9588, 69.3026



72.4345, 77.9588, 66.2633



69.8610, 77.9588, 102.6413



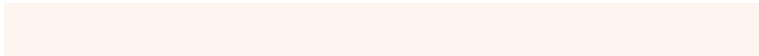
75.7858, 77.9588, 106.7018

# Sweetspot

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



78.5037, 77.9622, 69.3042



89.4846, 92.6554, 95.3725



78.9633, 71.6641, 91.7074



19.0285, 19.6664, 20.1123



0.0000, 0.0000, 0.0000

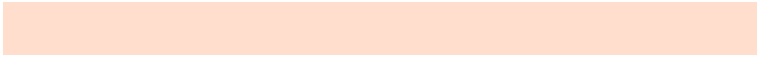


20.3446, 21.4041, 23.3091

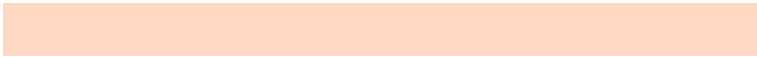


# Same Dimension

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



78.5037, 77.9622, 69.3042



75.6735, 74.1210, 62.7520



85.3417, 91.6382, 71.5836



18.4939, 18.9559, 18.8285



23.2970, 14.6053, 1.5912

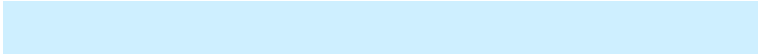


2.3631, 1.6115, 0.1865

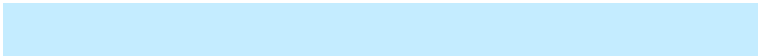


# Inverse Universe

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



74.3693, 82.0724, 106.5296



70.8564, 78.9033, 106.1031



67.8006, 68.9352, 104.3401



18.0255, 19.4226, 23.0488



17.2530, 19.4156, 52.2728

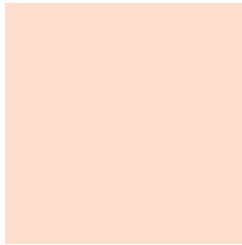


1.7795, 2.0898, 5.1228



# Previews

## White Background



This preview shows how the XYZ color 78.5019, 77.9588, 69.3026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

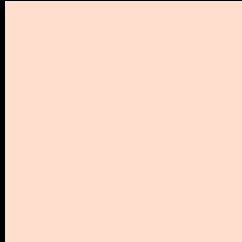
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5019, 77.9588, 69.3026 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

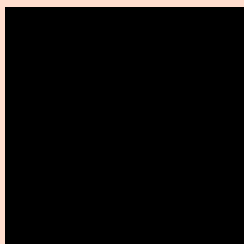
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.5019, 77.9588, 69.3026**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.5019, 77.9588, 69.3026.



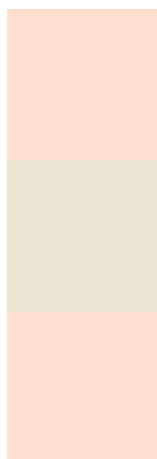
This preview shows how white text looks on a background with the XYZ color 78.5019, 77.9588,



# 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

78.5019, 77.9588, 69.3026

### Protanopia

74.1771, 78.0948, 71.4858

### Deuteranopia

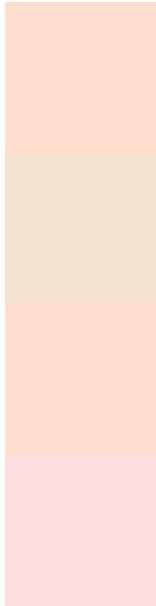
78.9941, 78.1557, 71.8949



## Tritanopia

81.4228, 77.8635, 88.5796

# Trichromacy



## Original Color

78.5019, 77.9588, 69.3026

## Protanomaly

75.8897, 78.1799, 70.7649

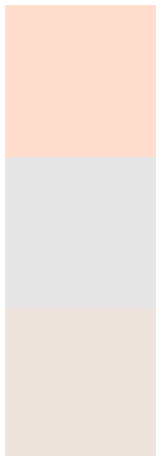
## Deuteranomaly

78.8699, 78.1060, 71.2407

## Tritanomaly

80.2877, 77.8282, 81.3117

# Monochromacy



## Original Color

78.5019, 77.9588, 69.3026

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

76.1168, 78.5094, 79.5486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5019, 77.9588, 69.3026 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, 222, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 206)  
}
```

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, 222, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5019, 77.9588, 69.3026 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, 222, 206) }
```



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

```
.border{ border-color:rgb(255, 222, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5019, 77.9588, 69.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 206) }
```

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

```
.background{ background-color: rgb(255,  
222, 206) }
```

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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