

# Converting Colors

XYZ(82.4214, 80.2827, 65.1171)

Have a look what the booklet for  
XYZ(82.4214, 80.2827, 65.1171)  
contains.

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# **Color**

**XYZ(77.9365, 78.1589,  
65.0113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFC7
RGB	255, 223, 199
RGB Percent	100%, 87%, 78%
CMY	0.0000, 0.1255, 0.2196
CMYK	0.00, 0.13, 0.22, 0.00
HSL	26°, 100%, 89%
HSV	26°, 22%, 100%
XYZ	77.9365, 78.1589, 65.0113
YIQ	229.8320, 26.7760, -0.6800

# Conversions

## Conversions Part 2

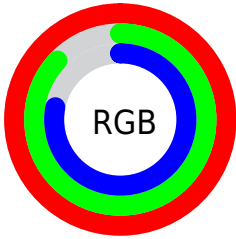
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 241, 199
Decimal	16768967
CIE Lab	90.85, 7.42, 15.82
CIE LCh	91, 17.470, 64.866
Yxy	78.1589, 0.3525, 0.3535
Android (android.graphics.Color)	4294959047 (0xFFFFDFC7)
YUV	229.8320, -15.2002, 22.0723
Hunter-Lab	88.4075, 2.6452, 18.2858

# Details

The XYZ color **77.9365, 78.1589, 65.0113** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **70.1783, 76.5116, 105.6772**, and the grayscale version is **75.1862, 79.1017, 86.1418**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4022, 42.0554, 32.6707** is the 20% darker color. If you saturate the color by 10%, you get **71.4941, 69.6219, 49.4604**, and if you desaturate by 10%, it is **85.2137, 87.5711, 83.2900**.

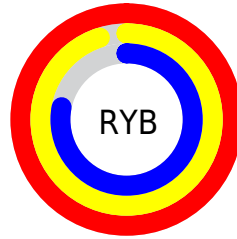
# Distribution



Red (100%)

Green (87%)

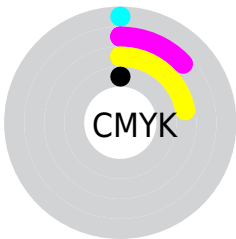
Blue (78%)



Red (100%)

Yellow (95%)

Blue (78%)

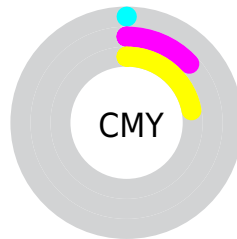


Cyan (0%)

Magenta (13%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9365, 78.1589, 65.0113 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 77.9365, 78.1589, 65.0113 by changing the saturation by 10% instead.




 77.9365, 78.1589,  
65.0113

 77.9365, 78.1589,  
65.0113


476.7943,  
488.7063, 461.1399

 58.3244, 58.2045,  
47.0188


129.4264,  
130.7741, 113.6795

 42.3138, 41.9731,  
32.6961


162.0350,  
164.2037, 145.1924

 29.5393, 29.0802,  
21.6245


199.7065,  
202.8938, 182.0491

 19.6355, 19.1415,  
13.3856

242.8061,  
247.2289, 224.6683

 12.2371, 11.7726,  
7.5608

291.6994,  
297.5933, 273.4684

 6.9787, 6.5890,  
3.7315

346.7516,

 3.4950, 3.2064,

354.3714, 328.8680

1.4792

408.3281,  
417.9476, 391.2857

■ 1.4206, 1.2404,  
0.2024

■ 0.2708, 0.0944,  
0.0000

■ 77.9365, 78.1589,  
65.0113

■ 77.9365, 78.1589,  
65.0113

■ 71.4941, 69.6219,  
49.4604

■ 85.2137, 87.5711,  
83.2900

■ 65.8479, 61.9232,  
36.4995

■ 93.3513, 97.8737,  
104.4153

■ 60.9642, 55.0379,  
25.9860

■ 95.0500, 100.0000,  
108.9000

■ 56.8043, 48.9362,  
17.7614

■ 53.3256, 43.5856,  
11.6483

■ 50.4800, 38.9510,  
7.4426

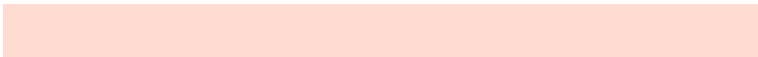
■ 48.2110, 34.9927,  
4.8988

■ 46.7418, 32.2635,  
3.7639

# Harmonies

## Analogous

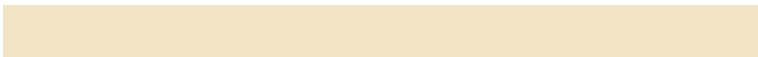
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4420, 78.1589, 71.9983



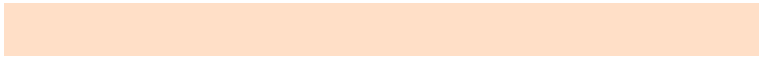
77.9365, 78.1589, 65.0113



73.5730, 78.1589, 63.1859

# Triad

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



77.9365, 78.1589, 65.0113



66.1788, 78.1589, 87.1718



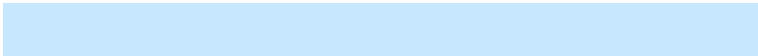
79.2258, 78.1589, 106.5523

# Complementary

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



77.9365, 78.1589, 65.0113



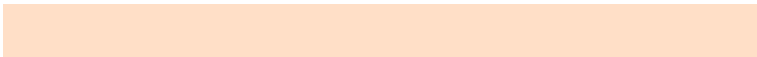
70.1783, 76.5116, 105.6772

# 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.



75.0070, 78.1589, 111.5765



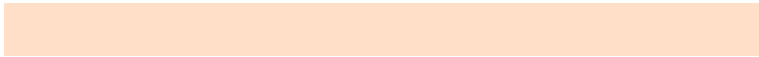
77.9365, 78.1589, 65.0113



67.5651, 78.1589, 99.7057

# Square

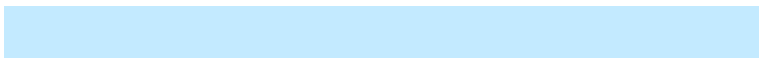
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9365, 78.1589, 65.0113



66.8943, 78.1589, 75.2270



70.7546, 78.1589, 108.9556

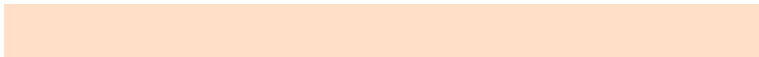


82.2068, 78.1589, 95.8049



# Rectangle

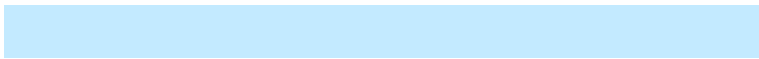
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9365, 78.1589, 65.0113



70.7894, 78.1589, 64.9712



70.7546, 78.1589, 108.9556



77.8994, 78.1589, 109.0123

# Sweetspot

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



77.9384, 78.1623, 65.0129



89.1404, 92.5681, 93.4049



76.1821, 67.9149, 85.1901



18.9750, 19.6807, 19.7209



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.



77.9384, 78.1623, 65.0129



75.2367, 74.6090, 58.4091



85.8383, 93.9623, 67.6462



18.6496, 19.2674, 18.8804



24.5648, 17.1408, 2.0138

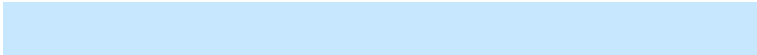


2.4976, 1.8806, 0.2314

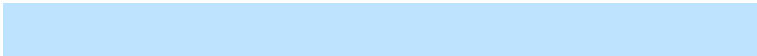


# Inverse Universe

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



70.1783, 76.5116, 105.6772



66.3161, 72.7089, 105.1467



63.1177, 62.3905, 103.3237



17.8646, 19.1008, 22.9952



14.9287, 14.7670, 51.4981

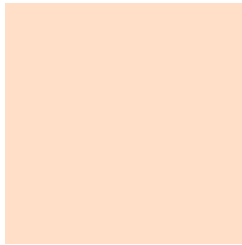


1.5621, 1.6548, 5.0504



# Previews

## White Background



This preview shows how the XYZ color 77.9365, 78.1589, 65.0113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

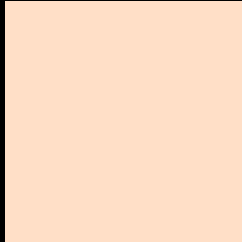
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9365, 78.1589, 65.0113 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 77.9365, 78.1589, 65.0113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9365, 78.1589, 65.0113.



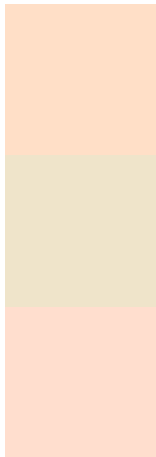
This preview shows how white text looks on a background with the XYZ color 77.9365, 78.1589,



# 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

77.9365, 78.1589, 65.0113

### Protanopia

74.0007, 78.1018, 67.0520

### Deuteranopia

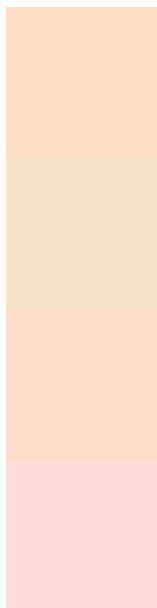
78.5019, 77.9588, 69.3026



## Tritanopia

81.6845, 78.3869, 88.6669

# Trichromacy



## Original Color

77.9365, 78.1589, 65.0113

## Protanomaly

75.3952, 78.0222, 66.3444

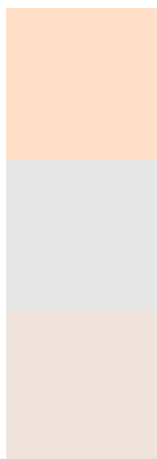
## Deuteranomaly

78.1408, 77.8143, 67.4011

## Tritanomaly

80.1476, 78.1934, 79.2752

# Monochromacy



## Original Color

77.9365, 78.1589, 65.0113

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.8519, 78.4034, 78.1534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9365, 78.1589, 65.0113 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, 223, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 199)  
}
```

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, 223, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9365, 78.1589, 65.0113 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, 223, 199) }
```



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

```
.border{ border-color:rgb(255, 223, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 223, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 223, 199); box-shadow:4px 4px 4px 4px rgb(255, 223, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9365, 78.1589, 65.0113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 199) }
```

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

```
.background{ background-color: rgb(255,  
223, 199) }
```

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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