

# Converting Colors

XYZ(93.0021, 90.1826, 77.2032)

Have a look what the booklet for  
XYZ(93.0021, 90.1826, 77.2032)  
contains.

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# Color

**XYZ(83.0575, 85.0635,  
77.0070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAD8
RGB	255, 234, 216
RGB Percent	100%, 92%, 85%
CMY	0.0000, 0.0823, 0.1529
CMYK	0.00, 0.08, 0.15, 0.00
HSL	28°, 100%, 92%
HSV	28°, 15%, 100%
XYZ	83.0575, 85.0635, 77.0070
YIQ	238.2270, 18.2940, -1.1460

# Conversions

## Conversions Part 2

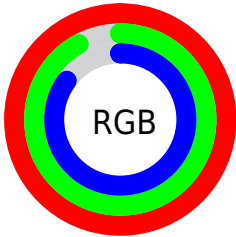
Format	Color
R <sub>Y</sub> B	255, 249, 216
Decimal	16771800
CIE Lab	93.91, 4.27, 11.31
CIE LCh	94, 12.090, 69.305
Yxy	85.0635, 0.3388, 0.3470
Android (android.graphics.Color)	4294961880 (0xFFFEAD8)
YUV	238.2270, -10.9579, 14.7099
Hunter-Lab	92.2299, -0.6543, 15.0569

# Details

The XYZ color **83.0575, 85.0635, 77.0070** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6523, 82.3850, 106.4696**, and the grayscale version is **81.5179, 85.7632, 93.3961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6421, 46.4198, 40.2725** is the 20% darker color. If you saturate the color by 10%, you get **76.2557, 76.3326, 59.7177**, and if you desaturate by 10%, it is **90.6778, 94.6119, 97.0952**.

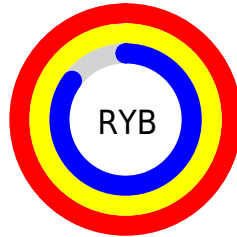
# Distribution



Red (100%)

Green (92%)

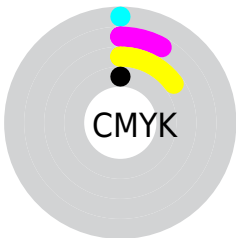
Blue (85%)



Red (100%)

Yellow (98%)

Blue (85%)

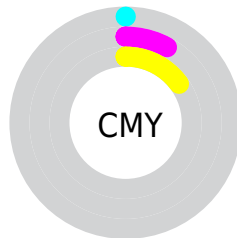


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0575, 85.0635, 77.0070 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 83.0575, 85.0635, 77.0070 by changing the saturation by 10% instead.




 83.0575, 85.0635,  
77.0070

 83.0575, 85.0635,  
77.0070

493.7592,  
511.8382, 504.2262

 62.5547, 63.8939,  
56.7470

136.5841,  
140.4619, 130.9225

 45.7383, 46.5647,  
40.3942


170.3386,  
175.4594, 165.4150

 32.2431, 32.6917,  
27.5299


209.2410,  
215.8350, 205.4889

 21.7037, 21.8904,  
17.7356

253.6566,  
261.9731, 251.5625

 13.7547, 13.7764,  
10.5929

303.9509,  
314.2581, 304.0546

 8.0308, 7.9653,  
5.6831

360.4892,

 4.1667, 4.0727,

373.0743, 363.3835

2.5877

423.6368,  
438.8062, 429.9679

■ 1.7968, 1.7143,  
0.8861

■ 0.5158, 0.4329,  
0.0000

■ 83.0575, 85.0635,  
77.0070

■ 83.0575, 85.0635,  
77.0070

■ 76.2557, 76.3326,  
59.7177

■ 90.6778, 94.6119,  
97.0952

■ 70.2360, 68.3853,  
45.0960

95.0500, 100.0000,  
108.9000

■ 64.9681, 61.2010,  
33.0075

■ 60.4169, 54.7540,  
23.3044

■ 56.5442, 49.0167,  
15.8228

■ 53.3075, 43.9594,  
10.3783

■ 50.6581, 39.5493,  
6.7557

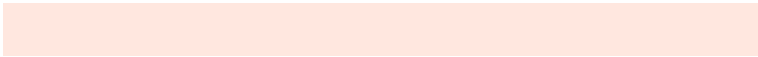
■ 48.5375, 35.7489,  
4.6899

■ 47.6863, 34.1526,  
4.0788

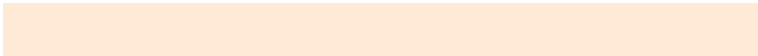
# Harmonies

## Analogous

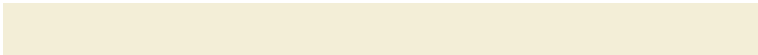
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7349, 85.0635, 81.8386



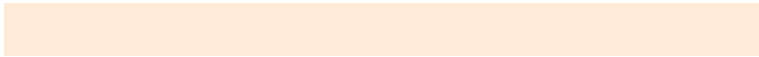
83.0575, 85.0635, 77.0070



79.8537, 85.0635, 76.2046

# Triad

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



83.0575, 85.0635, 77.0070



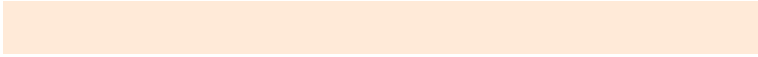
74.8947, 85.0635, 95.5154



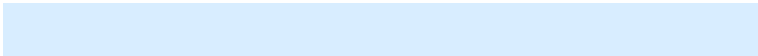
84.8348, 85.0635, 107.0246

# Complementary

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



83.0575, 85.0635, 77.0070



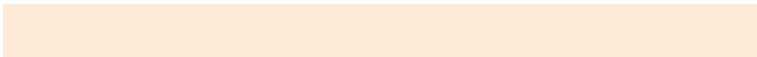
76.6523, 82.3850, 106.4696

# Split Complementary

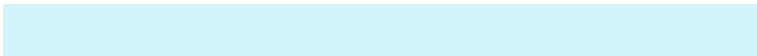
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8552, 85.0635, 111.2374



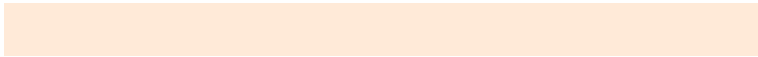
83.0575, 85.0635, 77.0070



76.1548, 85.0635, 104.3083

# Square

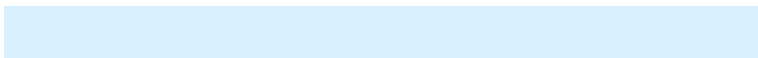
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0575, 85.0635, 77.0070



75.1972, 85.0635, 86.4953



78.6826, 85.0635, 110.2117

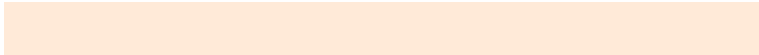


86.7798, 85.0635, 99.0266



# Rectangle

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



83.0575, 85.0635, 77.0070



77.8585, 85.0635, 78.0056



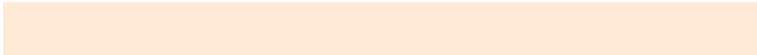
78.6826, 85.0635, 110.2117



83.9178, 85.0635, 108.9537

# Sweetspot

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



83.0595, 85.0671, 77.0088



90.9139, 94.9045, 97.7281



81.1483, 76.5134, 90.9581



19.3385, 20.1638, 20.5944



0.0000, 0.0000, 0.0000

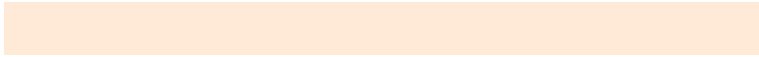


20.3446, 21.4041, 23.3091

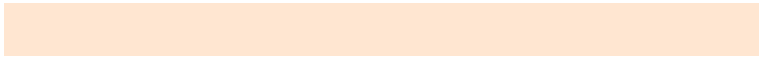


# Same Dimension

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



83.0595, 85.0671, 77.0088



81.1388, 82.6240, 72.0581



88.7760, 96.5001, 78.9143



18.7005, 19.3691, 18.8973



25.0628, 18.1368, 2.1798

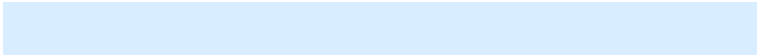


2.5481, 1.9817, 0.2482

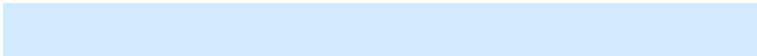


# Inverse Universe

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



76.6523, 82.3850, 106.4696



73.7413, 79.5269, 106.0714



71.4283, 71.9369, 104.7283



17.8130, 18.9977, 22.9780



14.2773, 13.4641, 51.2809

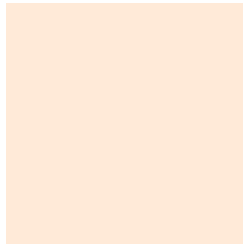


1.4995, 1.5297, 5.0295



# Previews

## White Background



This preview shows how the XYZ color 83.0575, 85.0635, 77.0070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

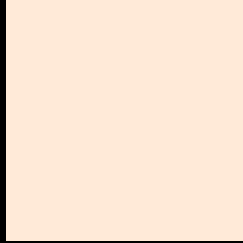
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0575, 85.0635, 77.0070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

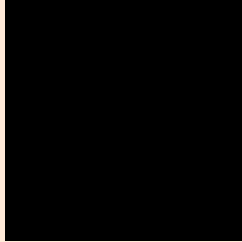
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.0575, 85.0635, 77.0070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.0575, 85.0635, 77.0070.



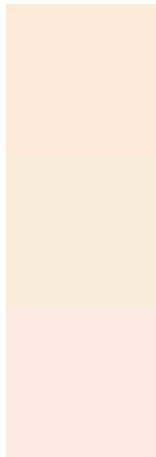
This preview shows how white text looks on a background with the XYZ color 83.0575, 85.0635,



# 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

83.0575, 85.0635, 77.0070

### Protanopia

81.1663, 85.3523, 77.8424

### Deuteranopia

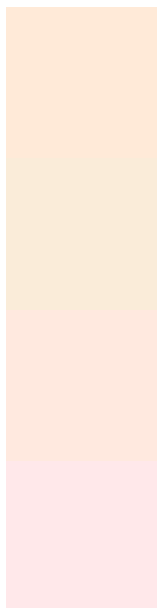
84.2440, 85.0839, 84.6557



## Tritanopia

86.2973, 85.0044, 98.2453

# Trichromacy



## Original Color

83.0575, 85.0635, 77.0070

## Protanomaly

81.9442, 85.3247, 77.7960

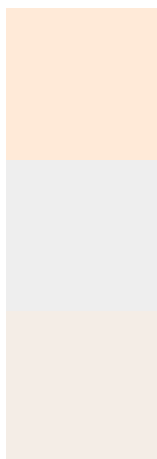
## Deuteranomaly

83.6982, 84.8655, 81.7814

## Tritanomaly

84.9479, 84.9137, 89.7547

# Monochromacy



## Original Color

83.0575, 85.0635, 77.0070

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.8753, 85.5146, 87.0536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0575, 85.0635, 77.0070 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, 234, 216) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 216)  
}
```

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, 234, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0575, 85.0635, 77.0070 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, 234, 216) }
```



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

```
.border{ border-color:rgb(255, 234, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0575, 85.0635, 77.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 216) }
```

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

```
.background{ background-color: rgb(255,  
234, 216) }
```

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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