

# Converting Colors

XYZ(83.3052, 85.2025, 78.1886)

Have a look what the booklet for  
XYZ(83.3052, 85.2025, 78.1886)  
contains.

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# Color

**XYZ(83.3177, 85.1676,  
78.3773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEADA
RGB	255, 234, 218
RGB Percent	100%, 92%, 85%
CMY	0.0000, 0.0823, 0.1451
CMYK	0.00, 0.08, 0.15, 0.00
HSL	26°, 100%, 93%
HSV	26°, 15%, 100%
XYZ	83.3177, 85.1676, 78.3773
YIQ	238.4550, 17.6520, -0.5240

# Conversions

## Conversions Part 2

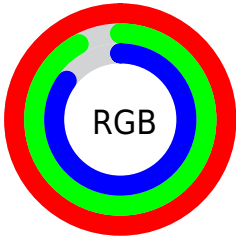
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 246, 218
Decimal	16771802
CIE Lab	93.96, 4.58, 10.34
CIE LCh	94, 11.304, 66.111
Yxy	85.1676, 0.3375, 0.3450
Android (android.graphics.Color)	4294961882 (0xFFFEADA)
YUV	238.4550, -10.0843, 14.5100
Hunter-Lab	92.2863, -0.3481, 14.2463

# Details

The XYZ color **83.3177, 85.1676, 78.3773** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8291, 83.8560, 106.6915**, and the grayscale version is **81.6886, 85.9427, 93.5916**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8200, 46.4909, 41.2090** is the 20% darker color. If you saturate the color by 10%, you get **76.2819, 76.0317, 60.8162**, and if you desaturate by 10%, it is **91.2074, 95.1890, 98.7580**.

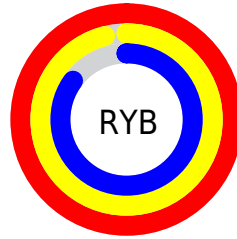
# Distribution



Red (100%)

Green (92%)

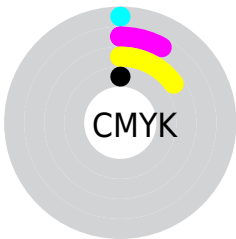
Blue (85%)



Red (100%)

Yellow (96%)

Blue (85%)

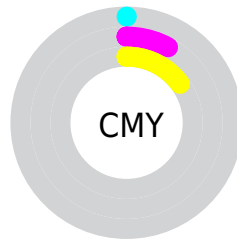


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3177, 85.1676, 78.3773 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 83.3177, 85.1676, 78.3773 by changing the saturation by 10% instead.




 83.3177, 85.1676,  
78.3773

 83.3177, 85.1676,  
78.3773


494.6126,  
512.1825, 509.0091

 62.7701, 63.9799,  
57.8657


136.9466,  
140.6073, 132.8726

 45.9132, 46.6344,  
41.2867


170.7585,  
175.6281, 167.6933

 32.3816, 32.7467,  
28.2218


209.7226,  
216.0287, 208.1208

 21.8101, 21.9325,  
18.2524

254.2042,  
262.1935, 254.5736

 13.8333, 13.8073,  
10.9600

304.5686,  
314.5068, 307.4704

 8.0857, 7.9868,  
5.9261

361.1813,

 4.2021, 4.0865,

373.3532, 367.2295

2.7322

424.4075,  
439.1170, 434.2695

■ 1.8171, 1.7221,  
0.9596

■ 0.5279, 0.4379,  
0.0000

■ 83.3177, 85.1676,  
78.3773

■ 83.3177, 85.1676,  
78.3773

■ 76.2819, 76.0317,  
60.8162

■ 91.2074, 95.1890,  
98.7580

■ 70.0627, 67.7450,  
45.9434

95.0500, 100.0000,  
108.9000

■ 64.6284, 60.2846,  
33.6253

■ 59.9431, 53.6222,  
23.7143

■ 55.9673, 47.7276,  
16.0477

■ 52.6575, 42.5683,  
10.4424

■ 49.9639, 38.1085,  
6.6856

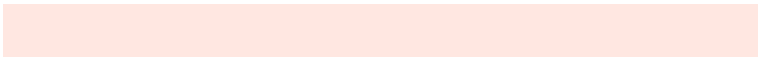
■ 47.8274, 34.3079,  
4.5168

■ 46.8491, 32.4781,  
3.7997

# Harmonies

## Analogous

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



85.7195, 85.1676, 83.2960



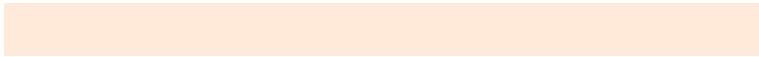
83.3177, 85.1676, 78.3773



80.3342, 85.1676, 77.1971

# Triad

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



83.3177, 85.1676, 78.3773



75.3253, 85.1676, 94.5102



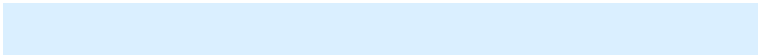
84.4112, 85.1676, 106.7908

# Complementary

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



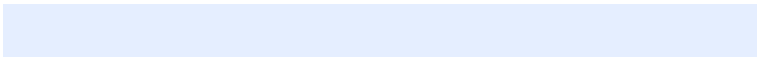
83.3177, 85.1676, 78.3773



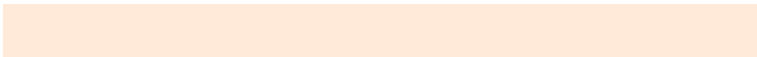
77.8291, 83.8560, 106.6915

# Split Complementary

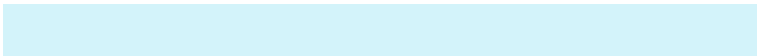
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5674, 85.1676, 110.2249



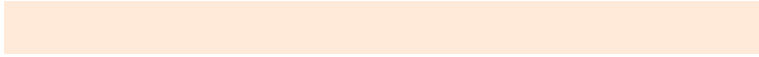
83.3177, 85.1676, 78.3773



76.3593, 85.1676, 102.8572

# Square

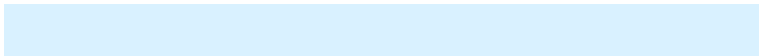
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3177, 85.1676, 78.3773



75.7678, 85.1676, 86.1760



78.6261, 85.1676, 108.7427

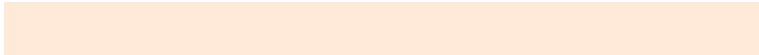


86.3617, 85.1676, 99.6145



# Rectangle

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



83.3177, 85.1676, 78.3773



78.4267, 85.1676, 78.6205



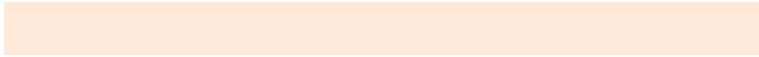
78.6261, 85.1676, 108.7427



83.5254, 85.1676, 108.4407

# Sweetspot

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



83.3197, 85.1712, 78.3791



91.6322, 95.7230, 99.8731



81.9783, 77.6703, 92.7856



19.4789, 20.3200, 21.0249



0.0000, 0.0000, 0.0000

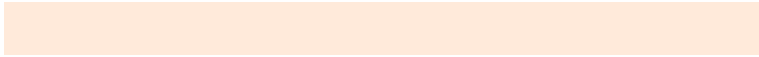


20.3446, 21.4041, 23.3091

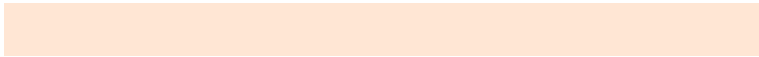


# Same Dimension

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



83.3197, 85.1712, 78.3791



81.4884, 82.8135, 73.7458



88.6794, 95.8906, 80.1657



18.6556, 19.2794, 18.8824



24.6214, 17.2541, 2.0327

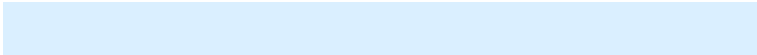


2.5034, 1.8922, 0.2333

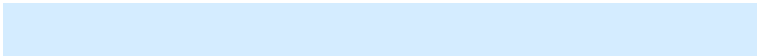


# Inverse Universe

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



77.8291, 83.8560, 106.6915



75.1675, 81.2988, 106.3382



72.8428, 73.8834, 105.0294



17.8585, 19.0886, 22.9932



14.8491, 14.6078, 51.4715

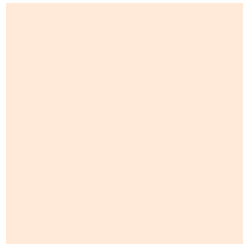


1.5544, 1.6396, 5.0478



# Previews

## White Background



This preview shows how the XYZ color 83.3177, 85.1676, 78.3773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

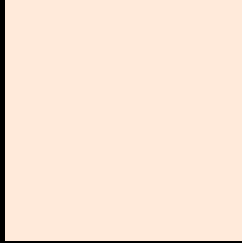
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.3177, 85.1676, 78.3773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

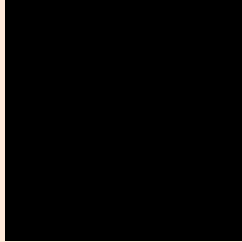
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.3177, 85.1676, 78.3773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.3177, 85.1676, 78.3773.



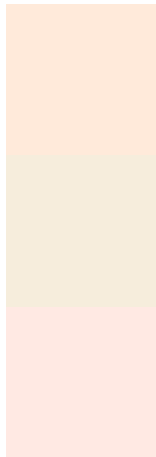
This preview shows how white text looks on a background with the XYZ color 83.3177, 85.1676,

78.3773.

# 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

83.3177, 85.1676, 78.3773

### Protanopia

81.2085, 85.3285, 79.9000

### Deuteranopia

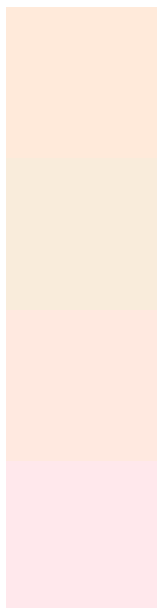
84.2440, 85.0839, 84.6557



## Tritanopia

86.4505, 85.0656, 99.0517

# Trichromacy



## Original Color

83.3177, 85.1676, 78.3773

## Protanomaly

81.8486, 85.2451, 79.1579

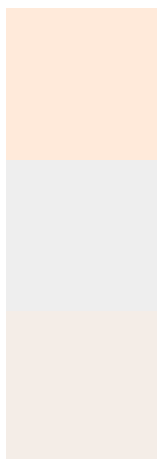
## Deuteranomaly

83.8335, 84.9196, 82.4936

## Tritanomaly

85.2369, 85.0294, 91.2767

# Monochromacy



## Original Color

83.3177, 85.1676, 78.3773

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.0162, 85.5710, 87.7954

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.3177, 85.1676, 78.3773 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 83.3177, 85.1676, 78.3773 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, 218) }
```



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

```
.border{ border-color:rgb(255, 234, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.3177, 85.1676, 78.3773 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
234, 218) }
```

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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