

# Converting Colors

XYZ(83.6213, 85.2715, 77.5998)

Have a look what the booklet for  
XYZ(83.6213, 85.2715, 77.5998)  
contains.

<b>XYZ(83.1872, 85.1154, 77.6901)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(83.1872, 85.1154,  
77.6901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAD9
RGB	255, 234, 217
RGB Percent	100%, 92%, 85%
CMY	0.0000, 0.0823, 0.1490
CMYK	0.00, 0.08, 0.15, 0.00
HSL	27°, 100%, 93%
HSV	27°, 15%, 100%
XYZ	83.1872, 85.1154, 77.6901
YIQ	238.3410, 17.9730, -0.8350

# Conversions

## Conversions Part 2

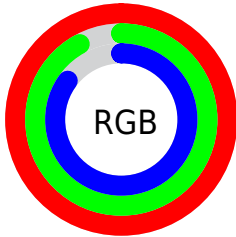
Format	Color
R <sub>Y</sub> B	255, 248, 217
Decimal	16771801
CIE Lab	93.93, 4.42, 10.82
CIE LCh	94, 11.692, 67.763
Yxy	85.1154, 0.3382, 0.3460
Android (android.graphics.Color)	4294961881 (0xFFFEAD9)
YUV	238.3410, -10.5211, 14.6099
Hunter-Lab	92.2580, -0.5016, 14.6527

# Details

The XYZ color **83.1872, 85.1154, 77.6901** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.2390, 83.1184, 106.5803**, and the grayscale version is **81.6032, 85.8529, 93.4938**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7307, 46.4552, 40.7389** is the 20% darker color. If you saturate the color by 10%, you get **76.2709, 76.1869, 60.2658**, and if you desaturate by 10%, it is **90.9390, 94.8941, 97.9234**.

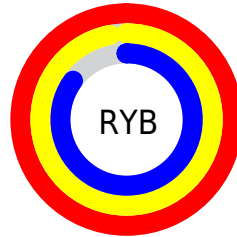
# Distribution



Red (100%)

Green (92%)

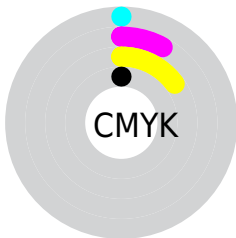
Blue (85%)



Red (100%)

Yellow (97%)

Blue (85%)

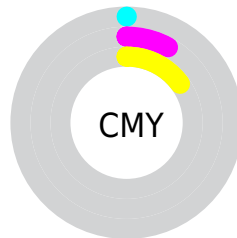


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1872, 85.1154, 77.6901 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 83.1872, 85.1154, 77.6901 by changing the saturation by 10% instead.




 83.1872, 85.1154,  
77.6901

 83.1872, 85.1154,  
77.6901


494.1847,  
512.0098, 506.6137

 62.6620, 63.9367,  
57.3045


136.7648,  
140.5344, 131.8951

 45.8255, 46.5994,  
40.8388


170.5479,  
175.5435, 166.5515

 32.3122, 32.7191,  
27.8744


209.4811,  
215.9316, 206.8020

 21.7567, 21.9114,  
17.9928

253.9296,  
262.0830, 253.0650

 13.7939, 13.7918,  
10.7754

304.2589,  
314.3821, 305.7592

 8.0582, 7.9760,  
5.8038

360.8342,

 4.1843, 4.0796,

373.2134, 365.3030

2.6593

424.0211,  
438.9612, 432.1150

■ 1.8069, 1.7182,  
0.9228

■ 0.5218, 0.4354,  
0.0000

■ 83.1872, 85.1154,  
77.6901

■ 83.1872, 85.1154,  
77.6901

■ 76.2709, 76.1869,  
60.2658

■ 90.9390, 94.8941,  
97.9234

■ 70.1533, 68.0736,  
45.5193

95.0500, 100.0000,  
108.9000

■ 64.8034, 60.7537,  
33.3165

■ 60.1858, 54.2003,  
23.5097

■ 56.2618, 48.3846,  
15.9359

■ 52.9882, 43.2756,  
10.4110

■ 50.3160, 38.8391,  
6.7212

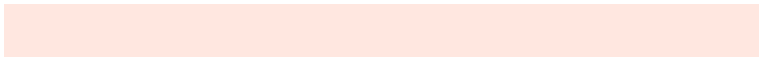
■ 48.1863, 35.0363,  
4.6038

■ 47.2702, 33.3204,  
3.9401

# Harmonies

## Analogous

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



85.7269, 85.1154, 82.5649



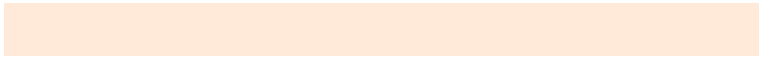
83.1872, 85.1154, 77.6901



80.0934, 85.1154, 76.7000

# Triad

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



83.1872, 85.1154, 77.6901



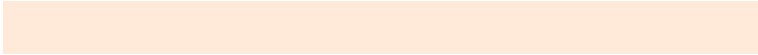
75.1098, 85.1154, 95.0122



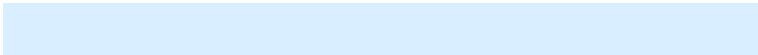
84.6227, 85.1154, 106.9069

# Complementary

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



83.1872, 85.1154, 77.6901



77.2390, 83.1184, 106.5803

# Split Complementary

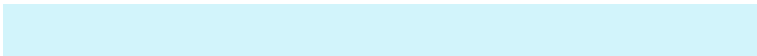
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7112, 85.1154, 110.7298



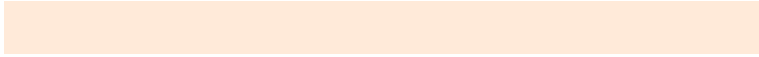
83.1872, 85.1154, 77.6901



76.2571, 85.1154, 103.5811

# Square

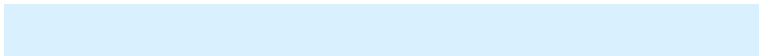
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1872, 85.1154, 77.6901



75.4821, 85.1154, 86.3359



78.6544, 85.1154, 109.4753

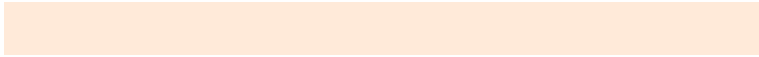


86.5704, 85.1154, 99.3195



# Rectangle

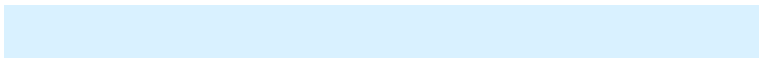
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1872, 85.1154, 77.6901



78.1420, 85.1154, 78.3130



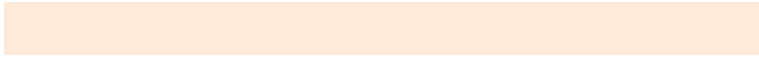
78.6544, 85.1154, 109.4753



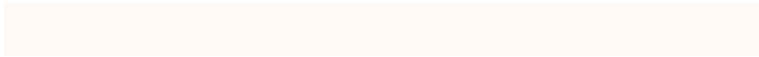
83.7214, 85.1154, 108.6963

# Sweetspot

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



83.1892, 85.1190, 77.6919



91.6794, 95.8173, 99.8888



81.5645, 77.0911, 91.8821



19.4908, 20.3438, 21.0288



0.0000, 0.0000, 0.0000

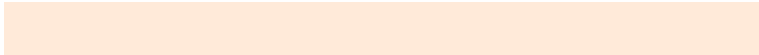


20.3446, 21.4041, 23.3091

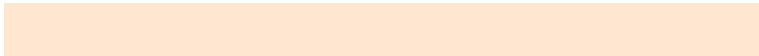


# Same Dimension

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



83.1892, 85.1190, 77.6919



80.9579, 82.2622, 71.9978



88.7218, 96.1842, 79.5361



18.6786, 19.3254, 18.8900



24.8436, 17.6984, 2.1067

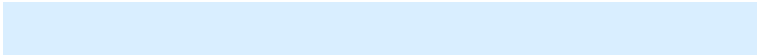


2.5260, 1.9374, 0.2408

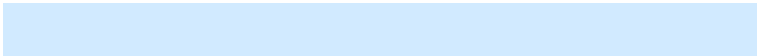


# Inverse Universe

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



77.2390, 83.1184, 106.5803



73.9266, 79.8975, 106.1332



72.1371, 72.9146, 104.8796



17.8351, 19.0419, 22.9854



14.5510, 14.0116, 51.3722

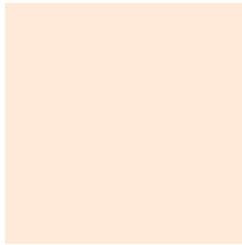


1.5259, 1.5825, 5.0383



# Previews

## White Background



This preview shows how the XYZ color 83.1872, 85.1154, 77.6901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

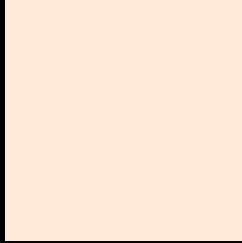
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.1872, 85.1154, 77.6901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

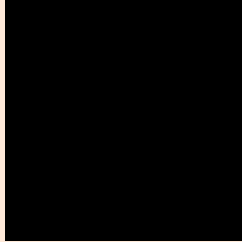
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.1872, 85.1154, 77.6901

## Background



This preview shows how black text looks on a background with the XYZ color 83.1872, 85.1154, 77.6901.



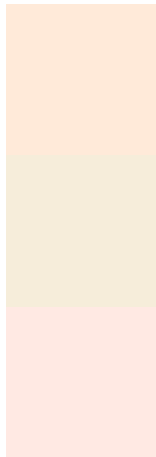
This preview shows how white text looks on a background with the XYZ color 83.1872, 85.1154,



# 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

83.1872, 85.1154, 77.6901

### Protanopia

80.9451, 85.2232, 78.5131

### Deuteranopia

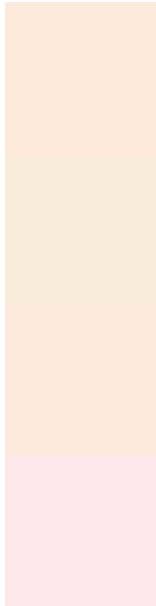
84.2440, 85.0839, 84.6557



## Tritanopia

86.4505, 85.0656, 99.0517

# Trichromacy



## Original Color

83.1872, 85.1154, 77.6901

## Protanomaly

81.7173, 85.1926, 78.4665

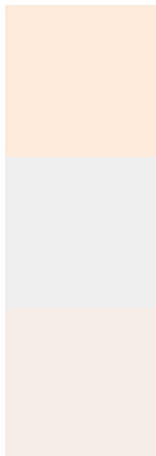
## Deuteranomaly

83.6982, 84.8655, 81.7814

## Tritanomaly

85.0920, 84.9714, 90.5135

# Monochromacy



## Original Color

83.1872, 85.1154, 77.6901

## 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 83.1872, 85.1154, 77.6901 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, 217) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 83.1872, 85.1154, 77.6901 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, 217) }
```



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

```
.border{ border-color:rgb(255, 234, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.1872, 85.1154, 77.6901 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
234, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor