

# Converting Colors

XYZ(86.2534, 87.7969, 75.2176)

Have a look what the booklet for  
XYZ(86.2534, 87.7969, 75.2176)  
contains.

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# Color

**XYZ(83.2457, 86.0550,  
75.1735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECD5
RGB	255, 236, 213
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0745, 0.1647
CMYK	0.00, 0.07, 0.16, 0.00
HSL	33°, 100%, 92%
HSV	33°, 16%, 100%
XYZ	83.2457, 86.0550, 75.1735
YIQ	239.0590, 18.7070, -3.1250

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 255, 213
Decimal	16772309
CIE <sub>Lab</sub>	94.34, 2.80, 13.47
CIE <sub>LCh</sub>	94, 13.756, 78.257
Yxy	86.0550, 0.3405, 0.3520
Android (android.graphics.Color)	4294962389 (0xFFFFECD5)
YUV	239.0590, -12.8471, 13.9803
Hunter-Lab	92.7658, -2.1589, 16.8900

# Details

The XYZ color **83.2457, 86.0550, 75.1735** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.3464, 79.0771, 105.9527**, and the grayscale version is **82.1785, 86.4581, 94.1529**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7815, 47.1169, 39.0293** is the 20% darker color. If you saturate the color by 10%, you get **77.0466, 78.4357, 58.3746**, and if you desaturate by 10%, it is **90.1722, 94.3140, 94.7278**.

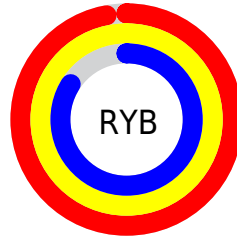
# Distribution



Red (100%)

Green (93%)

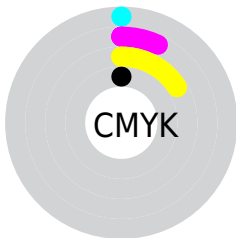
Blue (84%)



Red (97%)

Yellow (100%)

Blue (84%)



Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2457, 86.0550, 75.1735 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 83.2457, 86.0550, 75.1735 by changing the saturation by 10% instead.




 83.2457, 86.0550,  
75.1735

 83.2457, 86.0550,  
75.1735


494.3766,  
515.1125, 497.7850

 62.7105, 64.7135,  
55.2525


136.8463,  
141.8462, 128.3073

 45.8648, 47.2288,  
39.2039


170.6423,  
177.0647, 162.3571

 32.3433, 33.2165,  
26.6093


209.5893,  
217.6776, 201.9536

 21.7807, 22.2924,  
17.0502

254.0527,  
264.0694, 247.5153

 13.8115, 14.0719,  
10.1080

304.3977,  
316.6243, 299.4607

 8.0705, 8.1707,  
5.3641

360.9898,

 4.1923, 4.2044,

375.7269, 358.2085

2.4000

424.1943,  
441.7615, 424.1771

■ 1.8115, 1.7885,  
0.7864

■ 0.5246, 0.4800,  
0.0000

■ 83.2457, 86.0550,  
75.1735

■ 83.2457, 86.0550,  
75.1735

■ 77.0466, 78.4357,  
58.3746

■ 90.1722, 94.3140,  
94.7278

■ 71.5413, 71.4277,  
44.1995

95.0500, 100.0000,  
108.9000

■ 66.7018, 65.0161,  
32.5137

■ 62.4961, 59.1812,  
23.1686

■ 58.8887, 53.9018,  
15.9995

■ 55.8399, 49.1548,  
10.8199

■ 53.3039, 44.9142,  
7.4115

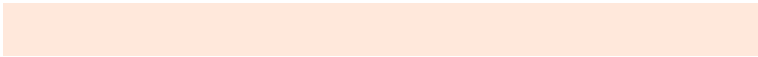
■ 51.2243, 41.1497,  
5.5014

■ 50.5708, 39.9216,  
5.0403

# Harmonies

## Analogous

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



86.6098, 86.0550, 79.3361



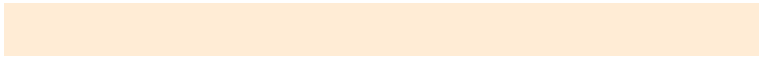
83.2457, 86.0550, 75.1735



79.5892, 86.0550, 75.6909

# Triad

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



83.2457, 86.0550, 75.1735



75.2359, 86.0550, 100.2127



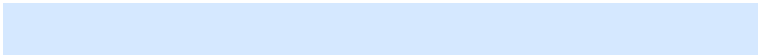
87.2036, 86.0550, 107.8947

# Complementary

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



83.2457, 86.0550, 75.1735



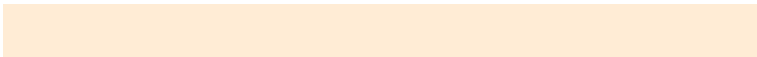
74.3464, 79.0771, 105.9527

# Split Complementary

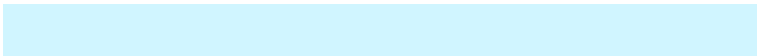
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0365, 86.0550, 114.3589



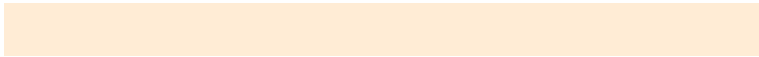
83.2457, 86.0550, 75.1735



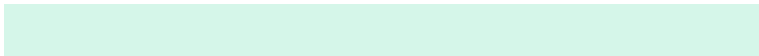
77.1576, 86.0550, 109.6991

# Square

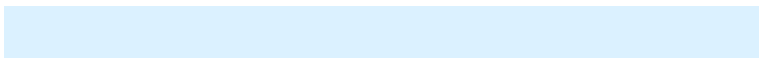
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2457, 86.0550, 75.1735



75.0386, 86.0550, 89.6230



80.3567, 86.0550, 115.0431



88.9404, 86.0550, 97.8973



# Rectangle

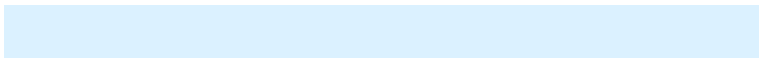
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2457, 86.0550, 75.1735



77.4762, 86.0550, 78.6269



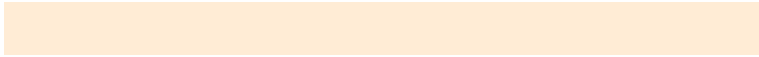
80.3567, 86.0550, 115.0431



86.2667, 86.0550, 110.5843

# Sweetspot

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



83.2477, 86.0587, 75.1753



91.2526, 95.5818, 97.8410



79.6857, 74.7098, 87.0128



19.4208, 20.3283, 20.6218



0.0000, 0.0000, 0.0000

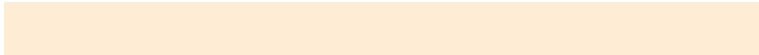


20.3446, 21.4041, 23.3091

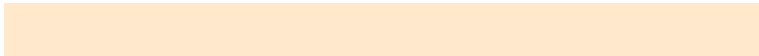


# Same Dimension

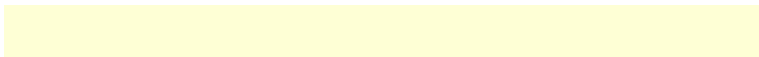
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2477, 86.0587, 75.1753



80.9774, 83.2964, 68.9366



88.4973, 97.3196, 77.0722



18.8341, 19.6364, 18.9419



26.5756, 21.1625, 2.6841

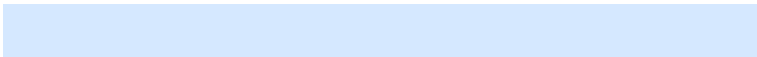


2.6968, 2.2789, 0.2977

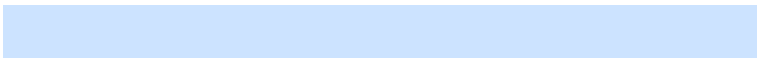


# Inverse Universe

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



74.3464, 79.0771, 105.9527



70.4387, 75.0310, 105.3777



69.6936, 69.1660, 104.2849



17.6796, 18.7307, 22.9335



12.7988, 10.5072, 50.7881

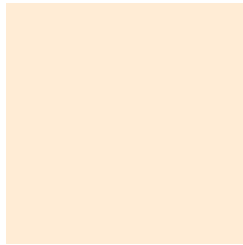


1.3535, 1.2378, 4.9809



# Previews

## White Background



This preview shows how the XYZ color 83.2457, 86.0550, 75.1735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

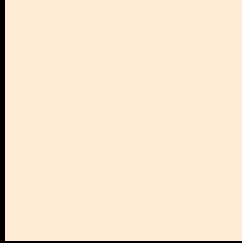
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2457, 86.0550, 75.1735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

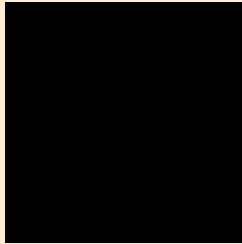
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.2457, 86.0550, 75.1735**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2457, 86.0550, 75.1735.



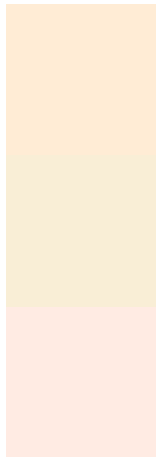
This preview shows how white text looks on a background with the XYZ color 83.2457, 86.0550,

75.1735.

# 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

83.2457, 86.0550, 75.1735

### Protanopia

81.7791, 86.1438, 75.9355

### Deuteranopia

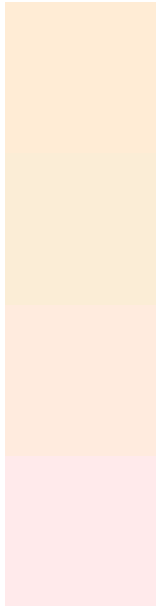
84.8135, 86.2227, 84.8455



## Tritanopia

87.1674, 86.2532, 100.0500

# Trichromacy



## Original Color

83.2457, 86.0550, 75.1735

## Protanomaly

82.2054, 85.9326, 75.8723

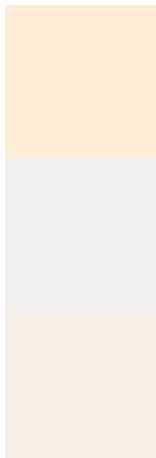
## Deuteranomaly

84.1331, 85.9506, 81.2631

## Tritanomaly

85.6582, 86.1038, 90.7023

# Monochromacy



## Original Color

83.2457, 86.0550, 75.1735

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.5137, 86.2747, 87.1667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2457, 86.0550, 75.1735 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, 236, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 213)  
}
```

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, 236, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2457, 86.0550, 75.1735 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, 236, 213) }
```



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

```
.border{ border-color:rgb(255, 236, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2457, 86.0550, 75.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 213) }
```

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

```
.background{ background-color: rgb(255,  
236, 213) }
```

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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