

# Converting Colors

XYZ(110.8314, 99.7043,  
86.3271)

Have a look what the booklet for  
XYZ(110.8314, 99.7043, 86.3271)  
contains.

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# Color

**XYZ(84.8135, 86.2227,  
84.8455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBE3
RGB	255, 235, 227
RGB Percent	100%, 92%, 89%
CMY	0.0000, 0.0784, 0.1098
CMYK	0.00, 0.08, 0.11, 0.00
HSL	17°, 100%, 95%
HSV	17°, 11%, 100%
XYZ	84.8135, 86.2227, 84.8455
YIQ	240.0680, 14.4880, 1.7520

# Conversions

## Conversions Part 2

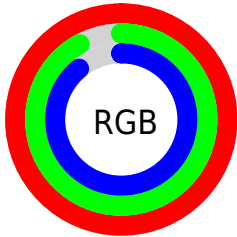
Format	Color
R <sub>Y</sub> B	255, 238, 227
Decimal	16772067
CIE Lab	94.41, 5.48, 6.31
CIE LCh	94, 8.358, 49.071
Yxy	86.2227, 0.3315, 0.3370
Android (android.graphics.Color)	4294962147 (0xFFFFE3E3)
YUV	240.0680, -6.4425, 13.0954
Hunter-Lab	92.8562, 0.5410, 10.8243

# Details

The XYZ color **84.8135, 86.2227, 84.8455** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9885, 90.0700, 107.6190**, and the grayscale version is **82.9203, 87.2386, 95.0029**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8552, 47.2245, 45.6754** is the 20% darker color. If you saturate the color by 10%, you get **76.6021, 75.0214, 66.0115**, and if you desaturate by 10%, it is **94.0838, 98.7071, 106.6064**.

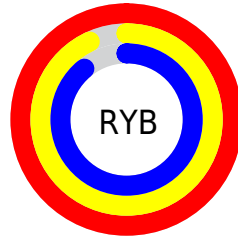
# Distribution



Red (100%)

Green (92%)

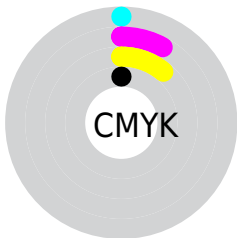
Blue (89%)



Red (100%)

Yellow (93%)

Blue (89%)

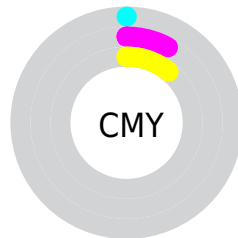


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8135, 86.2227, 84.8455 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 84.8135, 86.2227, 84.8455 by changing the saturation by 10% instead.




 84.8135, 86.2227,  
84.8455

 84.8135, 86.2227,  
84.8455

499.5037,  
515.6652, 531.2479

 64.0093, 64.8521,  
63.1643


139.0280,  
142.0802, 142.0295

 46.9199, 47.3412,  
45.5323


173.1689,  
177.3360, 178.3695

 33.1800, 33.3055,  
31.5309


212.4861,  
217.9889, 220.4327

 22.4243, 22.3606,  
20.7416

257.3449,  
264.4234, 268.6379

 14.2873, 14.1221,  
12.7459

308.1108,  
317.0239, 323.4034

 8.4038, 8.2056,  
7.1251

365.1489,

 4.4084, 4.2268,

376.1748, 385.1479

3.4608

428.8248,  
442.2604, 454.2899

■ 1.9357, 1.8012,  
1.3345

■ 0.5974, 0.4879,  
0.0898

■ 84.8135, 86.2227,  
84.8455

■ 84.8135, 86.2227,  
84.8455

■ 76.6021, 75.0214,  
66.0115

■ 94.0838, 98.7071,  
106.6064

■ 69.4050, 65.0514,  
49.9733

■ 95.0500, 100.0000,  
108.9000

■ 63.1829, 56.2729,  
36.5981

■ 57.8915, 48.6401,  
25.7399

■ 53.4829, 42.1039,  
17.2385

■ 49.9046, 36.6115,  
10.9153

■ 47.0978, 32.1053,  
6.5655

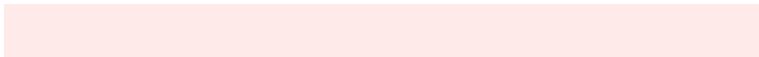
■ 44.9943, 28.5212,  
3.9444

■ 43.6161, 26.0122,  
2.7220

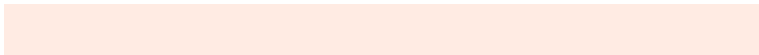
# Harmonies

## Analogous

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



86.1011, 86.2227, 89.8990



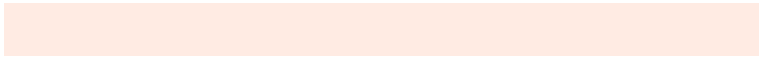
84.8135, 86.2227, 84.8455



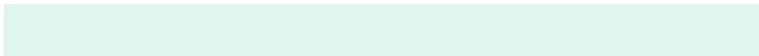
82.7734, 86.2227, 82.2560

# Triad

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



84.8135, 86.2227, 84.8455



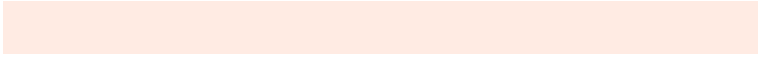
77.7852, 86.2227, 91.5568



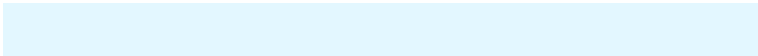
83.3710, 86.2227, 106.0609

# Complementary

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



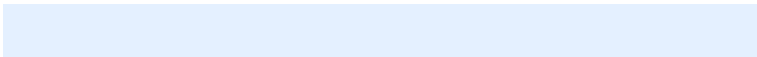
84.8135, 86.2227, 84.8455



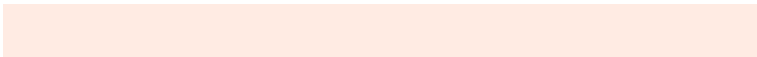
82.9885, 90.0700, 107.6190

# 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.



81.1362, 86.2227, 106.5546



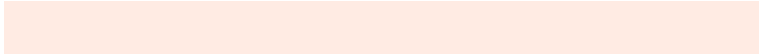
84.8135, 86.2227, 84.8455



77.9386, 86.2227, 97.9806

# Square

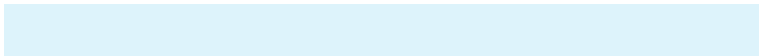
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8135, 86.2227, 84.8455



78.7329, 86.2227, 86.0114



79.1558, 86.2227, 103.5381

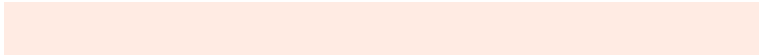


85.2578, 86.2227, 102.2184



# Rectangle

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



84.8135, 86.2227, 84.8455



81.2732, 86.2227, 82.1922



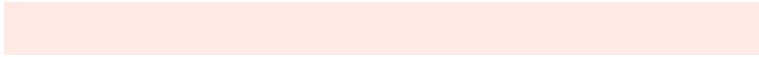
79.1558, 86.2227, 103.5381



82.6347, 86.2227, 106.6304

# Sweetspot

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



84.8154, 86.2263, 84.8473



92.1245, 96.0809, 101.9691



85.5084, 82.9186, 99.5481



19.5546, 20.3453, 21.4390



0.0000, 0.0000, 0.0000

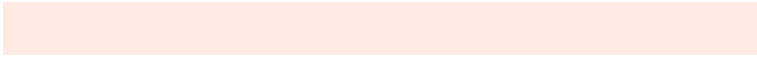


20.3446, 21.4041, 23.3091

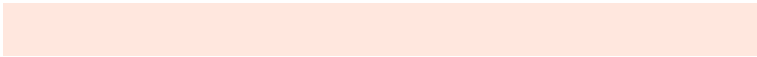


# Same Dimension

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



84.8154, 86.2263, 84.8473



83.0723, 83.8610, 80.8103



88.9605, 94.5165, 86.2290



18.4323, 18.8327, 18.8079



22.8996, 13.8105, 1.4588

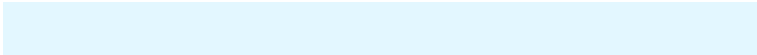


2.3181, 1.5216, 0.1715

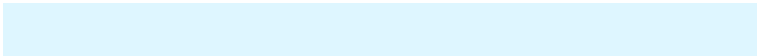


# Inverse Universe

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



82.9885, 90.0700, 107.6190



80.9391, 88.3475, 107.3946



78.8872, 81.8675, 106.2519



18.0903, 19.5523, 23.0704



18.3167, 21.5430, 52.6274

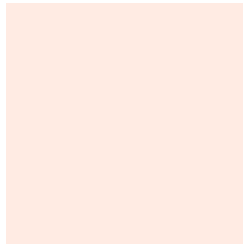


1.8768, 2.2844, 5.1553



# Previews

## White Background



This preview shows how the XYZ color 84.8135, 86.2227, 84.8455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

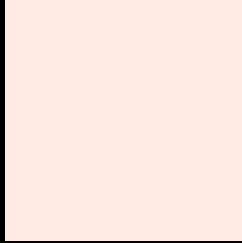
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8135, 86.2227, 84.8455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

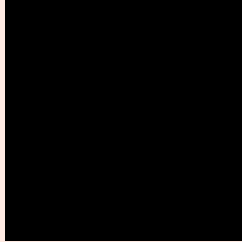
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

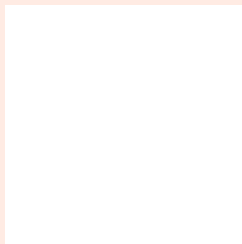
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.8135, 86.2227, 84.8455

## Background



This preview shows how black text looks on a background with the XYZ color 84.8135, 86.2227, 84.8455.



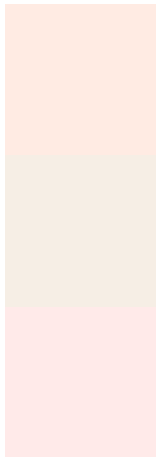
This preview shows how white text looks on a background with the XYZ color 84.8135, 86.2227,

84.8455.

# 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

84.8135, 86.2227, 84.8455

### Protanopia

82.7234, 86.3990, 86.4454

### Deuteranopia

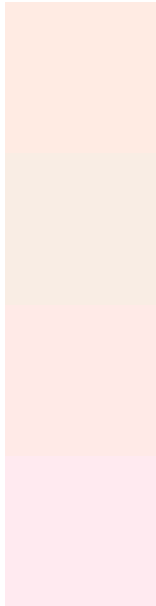
85.3708, 85.9888, 89.1888



## Tritanopia

87.3222, 86.3151, 100.8650

# Trichromacy



## Original Color

84.8135, 86.2227, 84.8455

## Protanomaly

83.3547, 86.3095, 85.6649

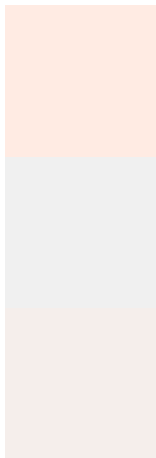
## Deuteranomaly

85.0866, 85.8752, 87.6923

## Tritanomaly

86.3910, 86.3969, 94.5611

# Monochromacy



## Original Color

84.8135, 86.2227, 84.8455

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

83.2261, 86.5597, 90.9185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8135, 86.2227, 84.8455 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, 235, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 227)  
}
```

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, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8135, 86.2227, 84.8455 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, 235, 227) }
```



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

```
.border{ border-color:rgb(255, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8135, 86.2227, 84.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 227) }
```

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

```
.background{ background-color: rgb(255,  
235, 227) }
```

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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