

# Converting Colors

XYZ(84.6641, 87.5741, 79.7084)

Have a look what the booklet for  
XYZ(84.6641, 87.5741, 79.7084)  
contains.

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# Color

**XYZ(84.6007, 87.5235,  
79.4526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEDB
RGB	255, 238, 219
RGB Percent	100%, 93%, 86%
CMY	0.0000, 0.0666, 0.1412
CMYK	0.00, 0.07, 0.14, 0.00
HSL	32°, 100%, 93%
HSV	32°, 14%, 100%
XYZ	84.6007, 87.5235, 79.4526
YIQ	240.9170, 16.2310, -2.3050

# Conversions

## Conversions Part 2

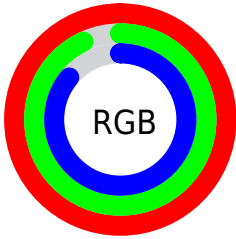
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 255, 219
Decimal	16772827
CIE Lab	94.96, 2.69, 11.25
CIE LCh	95, 11.570, 76.549
Yxy	87.5235, 0.3363, 0.3479
Android (android.graphics.Color)	4294962907 (0xFFFFEEDB)
YUV	240.9170, -10.8051, 12.3508
Hunter-Lab	93.5540, -2.3023, 15.1346

# Details

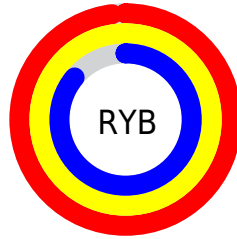
The XYZ color **84.6007, 87.5235, 79.4526** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.2581, 82.2687, 106.4153**, and the grayscale version is **83.6190, 87.9737, 95.8033**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7175, 48.1420, 41.9520** is the 20% darker color. If you saturate the color by 10%, you get **78.1094, 79.5081, 61.9758**, and if you desaturate by 10%, it is **91.8447, 96.2208, 99.7197**.

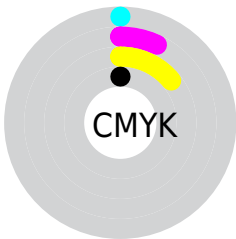
# Distribution



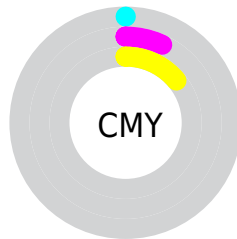
- Red (100%)
- Green (93%)
- Blue (86%)



- Red (98%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (7%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6007, 87.5235, 79.4526 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 84.6007, 87.5235, 79.4526 by changing the saturation by 10% instead.




 84.6007, 87.5235,  
79.4526

 84.6007, 87.5235,  
79.4526


498.8095,  
519.9415, 512.7442

 63.8329, 65.9285,  
58.7445


138.7321,  
143.8936, 134.4003

 46.7765, 48.2144,  
41.9888


172.8263,  
179.4375, 169.4769

 33.0662, 33.9967,  
28.7670


212.0935,  
220.3998, 210.1802

 22.3367, 22.8911,  
18.6606

256.8988,  
267.1649, 256.9285

 14.2225, 14.5131,  
11.2510

307.6077,  
320.1173, 310.1406

 8.3583, 8.4784,  
6.1196

364.5856,

 4.3788, 4.4025,

379.6412, 370.2348

2.8480

428.1977,  
446.1212, 437.6299

■ 1.9186, 1.9012,  
1.0175

■ 0.5876, 0.5491,  
0.0000

■ 84.6007, 87.5235,  
79.4526

■ 84.6007, 87.5235,  
79.4526

■ 78.1094, 79.5081,  
61.9758

■ 91.8447, 96.2208,  
99.7197

■ 72.3370, 72.1451,  
47.1595

95.0500, 100.0000,  
108.9000

■ 67.2555, 65.4187,  
34.8715

■ 62.8329, 59.3083,  
24.9662

■ 59.0340, 53.7918,  
17.2828

■ 55.8194, 48.8454,  
11.6406

■ 53.1444, 44.4423,  
7.8297

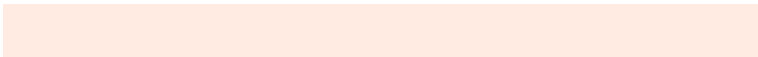
■ 50.9551, 40.5522,  
5.5937

■ 49.8512, 38.4823,  
4.8004

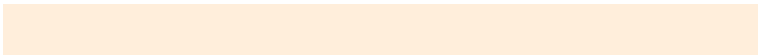
# Harmonies

## Analogous

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



87.4098, 87.5235, 83.2897



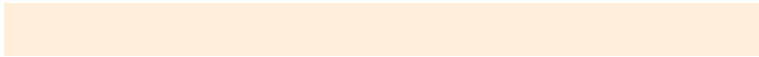
84.6007, 87.5235, 79.4526



81.4808, 87.5235, 79.6671

# Triad

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



84.6007, 87.5235, 79.4526



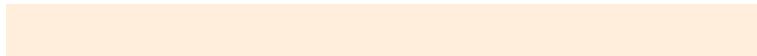
77.5347, 87.5235, 100.3081



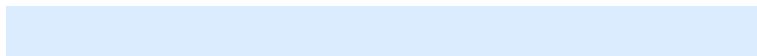
87.6485, 87.5235, 107.6903

# Complementary

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



84.6007, 87.5235, 79.4526



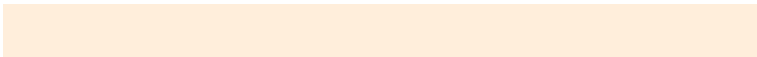
77.2581, 82.2687, 106.4153

# Split Complementary

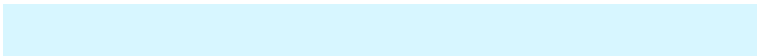
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9199, 87.5235, 112.8509



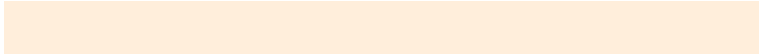
84.6007, 87.5235, 79.4526



79.1053, 87.5235, 108.4088

# Square

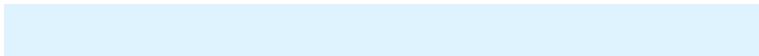
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6007, 87.5235, 79.4526



77.4541, 87.5235, 91.3327



81.7920, 87.5235, 113.1218

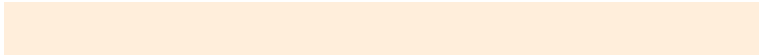


89.1991, 87.5235, 99.3769



# Rectangle

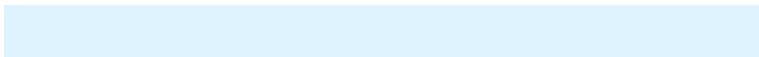
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6007, 87.5235, 79.4526



79.6449, 87.5235, 82.0725



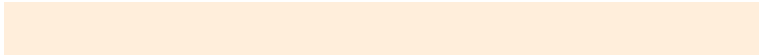
81.7920, 87.5235, 113.1218



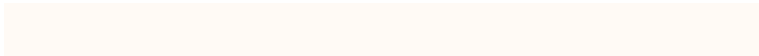
86.8356, 87.5235, 109.8735

# Sweetspot

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



84.6027, 87.5272, 79.4544



91.9340, 96.3265, 99.9736



81.7706, 78.0034, 90.4090



19.5552, 20.4726, 21.0503



0.0000, 0.0000, 0.0000

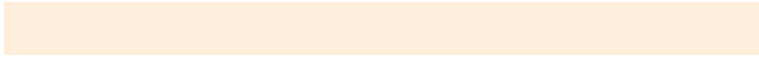


20.3446, 21.4041, 23.3091

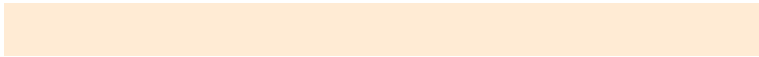


# Same Dimension

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



84.6027, 87.5272, 79.4544



82.6551, 85.1469, 74.1347



89.5660, 97.7810, 81.1720



18.8032, 19.5745, 18.9316



26.1991, 20.4095, 2.5586

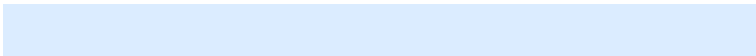


2.6604, 2.2061, 0.2856

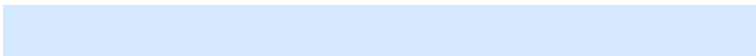


# Inverse Universe

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



77.2581, 82.2687, 106.4153



73.9894, 78.9428, 105.9456



72.7768, 73.0375, 104.8696



17.7102, 18.7919, 22.9437



13.1117, 11.1330, 50.8924

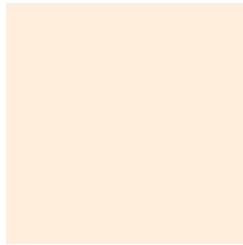


1.3850, 1.3007, 4.9913



# Previews

## White Background



This preview shows how the XYZ color 84.6007, 87.5235, 79.4526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

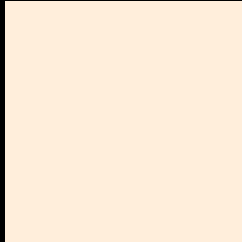
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.6007, 87.5235, 79.4526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

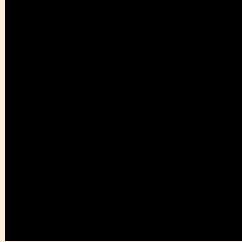
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.6007, 87.5235, 79.4526

## Background



This preview shows how black text looks on a background with the XYZ color 84.6007, 87.5235, 79.4526.



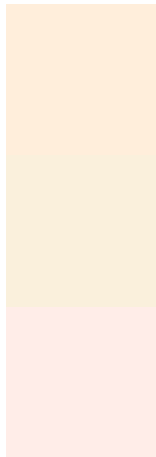
This preview shows how white text looks on a background with the XYZ color 84.6007, 87.5235,

79.4526.

# 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

84.6007, 87.5235, 79.4526

### Protanopia

83.5027, 87.8115, 80.2584

### Deuteranopia

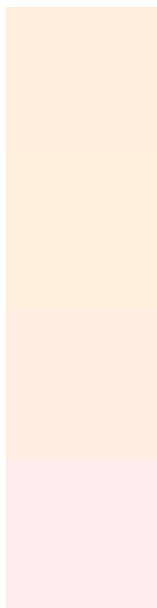
86.0897, 87.6546, 88.7255



## **Tritanopia**

88.0472, 87.5162, 101.8743

# Trichromacy



## Original Color

84.6007, 87.5235, 79.4526

## Protanomaly

83.9297, 87.5958, 80.1943

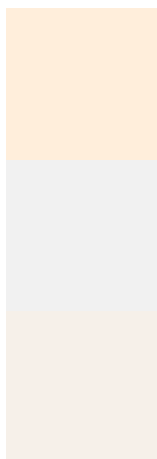
## Deuteranomaly

85.3893, 87.3744, 85.0375

## Tritanomaly

86.6681, 87.4240, 93.1955

# Monochromacy



## Original Color

84.6007, 87.5235, 79.4526

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.8741, 87.7962, 89.6165

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.6007, 87.5235, 79.4526 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, 238, 219) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 219)  
}
```

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, 238, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 84.6007, 87.5235, 79.4526 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, 238, 219) }
```



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

```
.border{ border-color:rgb(255, 238, 219) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.6007, 87.5235, 79.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 219) }
```

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

```
.background{ background-color: rgb(255,  
238, 219) }
```

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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