

# Converting Colors

XYZ(84.7084, 87.1007, 81.4563)

Have a look what the booklet for  
XYZ(84.7084, 87.1007, 81.4563)  
contains.

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# Color

**XYZ(84.7090, 87.1023,  
81.4550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDDE
RGB	255, 237, 222
RGB Percent	100%, 93%, 87%
CMY	0.0000, 0.0706, 0.1294
CMYK	0.00, 0.07, 0.13, 0.00
HSL	27°, 100%, 94%
HSV	27°, 13%, 100%
XYZ	84.7090, 87.1023, 81.4550
YIQ	240.6720, 15.5430, -0.8490

# Conversions

## Conversions Part 2

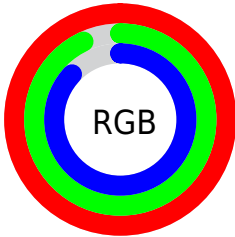
Format	Color
R <sub>Y</sub> B	255, 250, 222
Decimal	16772574
CIE Lab	94.78, 3.66, 9.44
CIE LCh	95, 10.131, 68.792
Yxy	87.1023, 0.3345, 0.3439
Android (android.graphics.Color)	4294962654 (0xFFFFE0DDE)
YUV	240.6720, -9.2053, 12.5657
Hunter-Lab	93.3286, -1.3109, 13.5831

# Details

The XYZ color **84.7090, 87.1023, 81.4550** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3335, 85.0674, 106.8461**, and the grayscale version is **83.4146, 87.7586, 95.5691**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7876, 47.8435, 43.3280** is the 20% darker color. If you saturate the color by 10%, you get **77.6757, 78.0978, 63.5049**, and if you desaturate by 10%, it is **92.5755, 96.9453, 102.2352**.

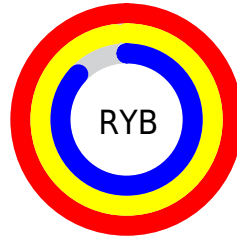
# Distribution



Red (100%)

Green (93%)

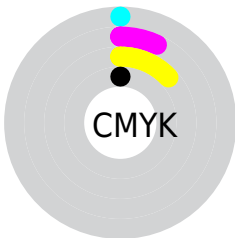
Blue (87%)



Red (100%)

Yellow (98%)

Blue (87%)

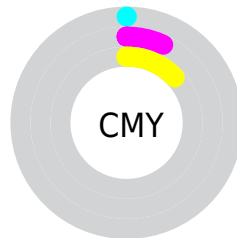


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7090, 87.1023, 81.4550 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 84.7090, 87.1023, 81.4550 by changing the saturation by 10% instead.




 84.7090, 87.1023,  
81.4550

 84.7090, 87.1023,  
81.4550


499.1629,  
518.5590, 519.6584

 63.9226, 65.5799,  
60.3832

138.8827,  
143.3067, 137.2393

 46.8495, 47.9314,  
43.3003


173.0007,  
178.7575, 172.7888

 33.1241, 33.7726,  
29.7876


212.2933,  
219.6198, 214.0014

 22.3812, 22.7189,  
19.4268

257.1259,  
266.2782, 261.2956

 14.2555, 14.3861,  
11.7991

307.8638,  
319.1168, 315.0898

 8.3814, 8.3897,  
6.4862

364.8723,

 4.3938, 4.3453,

378.5203, 375.8026

3.0694

428.5169,  
444.8728, 443.8526

■ 1.9273, 1.8685,  
1.1302

■ 0.5926, 0.5294,  
0.0000

■ 84.7090, 87.1023,  
81.4550

■ 84.7090, 87.1023,  
81.4550

■ 77.6757, 78.0978,  
63.5049

■ 92.5755, 96.9453,  
102.2352

■ 71.4395, 69.8976,  
48.2553

95.0500, 100.0000,  
108.9000

■ 65.9700, 62.4806,  
35.5743

■ 61.2327, 55.8211,  
25.3171

■ 57.1900, 49.8912,  
17.3238

■ 53.8000, 44.6611,  
11.4154

■ 51.0154, 40.0982,  
7.3850

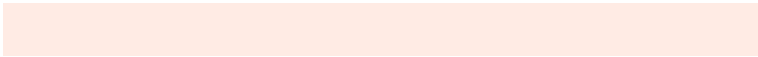
■ 48.7801, 36.1656,  
4.9820

■ 47.4796, 33.7392,  
4.0099

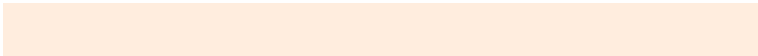
# Harmonies

## Analogous

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



86.9634, 87.1023, 85.6960



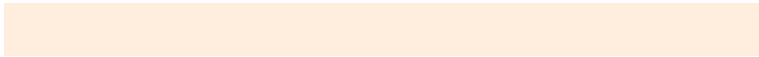
84.7090, 87.1023, 81.4550



81.9853, 87.1023, 80.6941

# Triad

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



84.7090, 87.1023, 81.4550



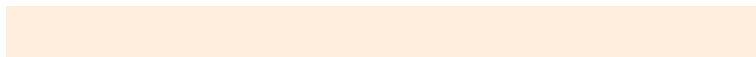
77.6892, 87.1023, 97.1649



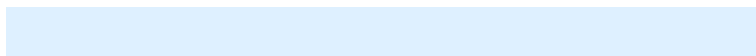
86.1334, 87.1023, 107.0948

# Complementary

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



84.7090, 87.1023, 81.4550



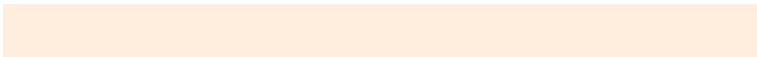
79.3335, 85.0674, 106.8461

# Split Complementary

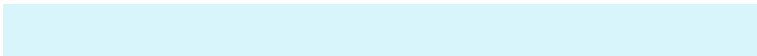
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5961, 87.1023, 110.5485



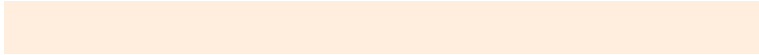
84.7090, 87.1023, 81.4550



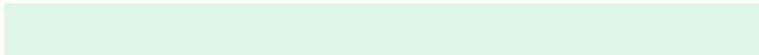
78.7486, 87.1023, 104.6116

# Square

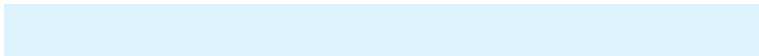
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7090, 87.1023, 81.4550



77.9722, 87.1023, 89.4844



80.8965, 87.1023, 109.6155

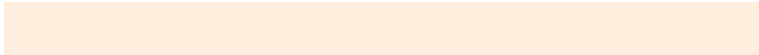


87.7983, 87.1023, 100.4043



# Rectangle

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



84.7090, 87.1023, 81.4550



80.2761, 87.1023, 82.2195



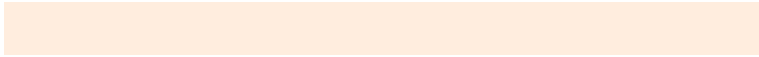
80.8965, 87.1023, 109.6155



85.3520, 87.1023, 108.6891

# Sweetspot

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



84.7110, 87.1060, 81.4568



91.7021, 95.8628, 99.8964



83.1123, 79.8037, 93.5787



19.4965, 20.3553, 21.0308



0.0000, 0.0000, 0.0000

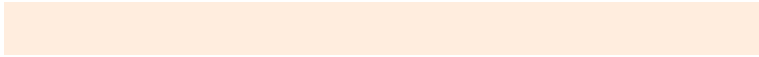


20.3446, 21.4041, 23.3091

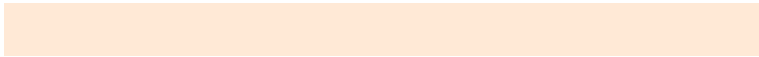


# Same Dimension

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



84.7110, 87.1060, 81.4568



82.4719, 84.2627, 75.6699



89.6610, 97.0058, 83.1068



18.6897, 19.3476, 18.8937



24.9539, 17.9191, 2.1435

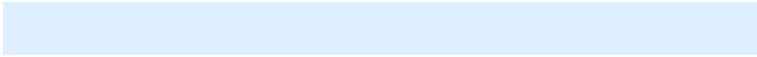


2.5372, 1.9597, 0.2445

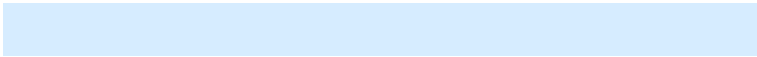


# Inverse Universe

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



79.3335, 85.0674, 106.8461



75.9646, 81.7955, 106.3921



74.7369, 75.8741, 105.3139



17.8239, 19.0194, 22.9816



14.4109, 13.7313, 51.3255

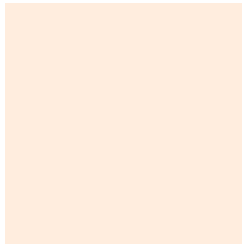


1.5124, 1.5555, 5.0338



# Previews

## White Background



This preview shows how the XYZ color 84.7090, 87.1023, 81.4550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

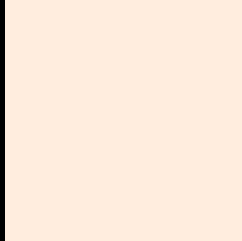
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7090, 87.1023, 81.4550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

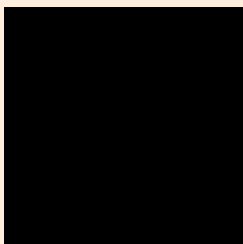
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

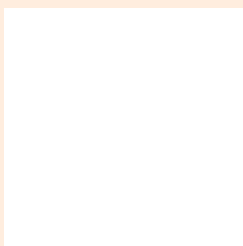
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.7090, 87.1023, 81.4550

## Background



This preview shows how black text looks on a background with the XYZ color 84.7090, 87.1023, 81.4550.



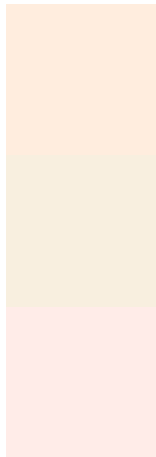
This preview shows how white text looks on a background with the XYZ color 84.7090, 87.1023,

81.4550.

# 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

84.7090, 87.1023, 81.4550

### Protanopia

82.8972, 87.0172, 82.2389

### Deuteranopia

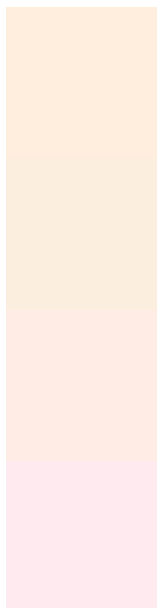
85.8009, 87.0771, 88.6293



## Tritanopia

87.7617, 86.9452, 101.7791

# Trichromacy



## Original Color

84.7090, 87.1023, 81.4550

## Protanomaly

83.6775, 86.9860, 82.1917

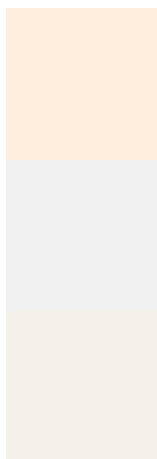
## Deuteranomaly

85.2390, 86.8523, 85.6704

## Tritanomaly

86.5283, 86.9087, 93.8759

# Monochromacy



## Original Color

84.7090, 87.1023, 81.4550

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.0174, 87.8535, 90.3711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7090, 87.1023, 81.4550 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, 237, 222) looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 222)  
}
```

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, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7090, 87.1023, 81.4550 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, 237, 222) }
```



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

```
.border{ border-color:rgb(255, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7090, 87.1023, 81.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 222) }
```

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

```
.background{ background-color: rgb(255,  
237, 222) }
```

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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