

# Converting Colors

XYZ(112.2990, 99.2527,  
86.8833)

Have a look what the booklet for  
XYZ(112.2990, 99.2527, 86.8833)  
contains.

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# **Color**

**XYZ(84.1002, 84.5747,  
85.2908)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE8E4
RGB	255, 232, 228
RGB Percent	100%, 91%, 89%
CMY	0.0000, 0.0902, 0.1059
CMYK	0.00, 0.09, 0.11, 0.00
HSL	9°, 100%, 95%
HSV	9°, 11%, 100%
XYZ	84.1002, 84.5747, 85.2908
YIQ	238.4210, 14.9920, 3.6320

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 233, 228
Decimal	16771300
CIE Lab	93.70, 7.17, 4.77
CIE LCh	94, 8.616, 33.636
Yxy	84.5747, 0.3311, 0.3330
Android (android.graphics.Color)	4294961380 (0xFFFFE8E4)
YUV	238.4210, -5.1376, 14.5398
Hunter-Lab	91.9645, 2.2978, 9.3877

# Details

The XYZ color **84.1002, 84.5747, 85.2908** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5412, 92.7058, 108.0460**, and the grayscale version is **81.6265, 85.8774, 93.5205**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3569, 46.0736, 45.9850** is the 20% darker color. If you saturate the color by 10%, you get **75.0781, 71.7838, 66.0877**, and if you desaturate by 10%, it is **94.4039, 99.0924, 107.4992**.

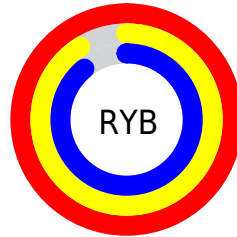
# Distribution



Red (100%)

Green (91%)

Blue (89%)



Red (100%)

Yellow (91%)

Blue (89%)



Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1002, 84.5747, 85.2908 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 84.1002, 84.5747, 85.2908 by changing the saturation by 10% instead.




 84.1002, 84.5747,  
85.2908

 84.1002, 84.5747,  
85.2908


497.1746,  
510.2197, 532.7595

 63.4182, 63.4900,  
63.5302


138.0359,  
139.7788, 142.6572

 46.4395, 46.2378,  
45.8265

172.0202,  
174.6670, 179.1000

 32.7989, 32.4335,  
31.7612


211.1693,  
214.9252, 221.2739

 22.1309, 21.6928,  
20.9159

255.8486,  
260.9378, 269.5975

 14.0703, 13.6314,  
12.8719

306.4234,  
313.0892, 324.4893

 8.2516, 7.8647,  
7.2107

363.2591,

 4.3095, 4.0085,

371.7637, 386.3679

3.5138

426.7211,  
437.3457, 455.6518

■ 1.8787, 1.6783,  
1.3626

■ 0.5644, 0.4096,  
0.1123

■ 84.1002, 84.5747,  
85.2908

■ 84.1002, 84.5747,  
85.2908

■ 75.0781, 71.7838,  
66.0877

94.4039, 99.0924,  
107.4992

■ 67.2814, 60.6452,  
49.7554

95.0500, 100.0000,  
108.9000

■ 60.6586, 51.0943,  
36.1574

■ 55.1521, 43.0586,  
25.1435

■ 50.6995, 36.4596,  
16.5495

■ 47.2320, 31.2119,  
10.1920

■ 44.6724, 27.2207,  
5.8612

■ 42.9313, 24.3788,  
3.3071

■ 41.9275, 22.6349,  
2.1592

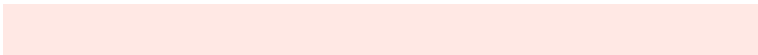
# Harmonies

## Analogous

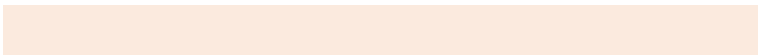
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8515, 84.5747, 91.2917



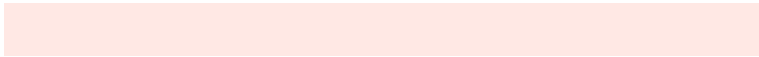
84.1002, 84.5747, 85.2908



82.3530, 84.5747, 81.2652

# Triad

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



84.1002, 84.5747, 85.2908



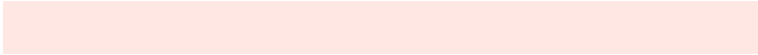
76.5123, 84.5747, 86.6109



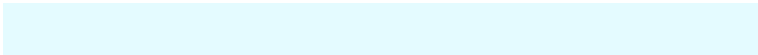
80.6647, 84.5747, 105.2271

# Complementary

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



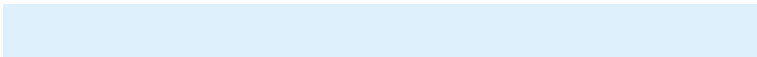
84.1002, 84.5747, 85.2908



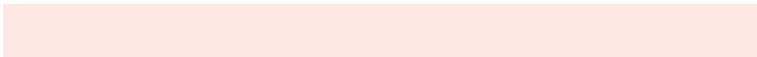
84.5412, 92.7058, 108.0460

# 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.



78.4500, 84.5747, 103.8303



84.1002, 84.5747, 85.2908



76.0794, 84.5747, 92.8878

# Square

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



84.1002, 84.5747, 85.2908



77.9761, 84.5747, 82.0016



76.7822, 84.5747, 99.2360

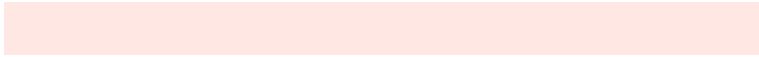


82.8445, 84.5747, 102.9682



# Rectangle

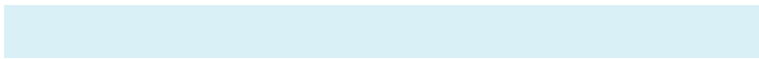
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



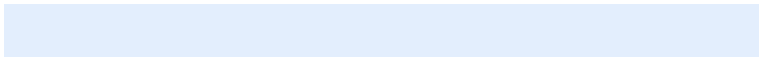
84.1002, 84.5747, 85.2908



80.8738, 84.5747, 80.1375



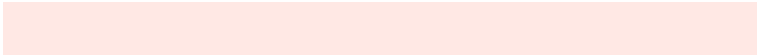
76.7822, 84.5747, 99.2360



79.8996, 84.5747, 105.1700

# Sweetspot

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



84.1022, 84.5782, 85.2926



91.7992, 95.4303, 101.8607



86.4596, 83.7380, 103.2041



19.4671, 20.1704, 21.4098



0.0000, 0.0000, 0.0000

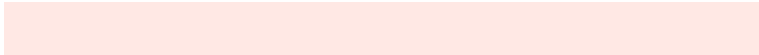


20.3446, 21.4041, 23.3091

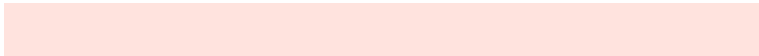


# Same Dimension

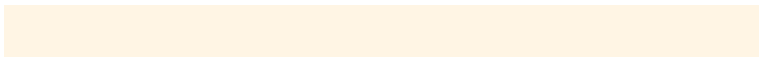
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1022, 84.5782, 85.2926



81.8101, 81.3367, 80.3896



87.9267, 92.2272, 86.5674



18.2268, 18.4217, 18.7394



21.9728, 11.9568, 1.1498

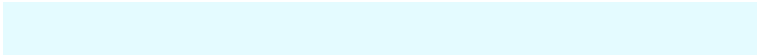


2.2008, 1.2869, 0.1324

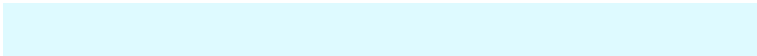


# Inverse Universe

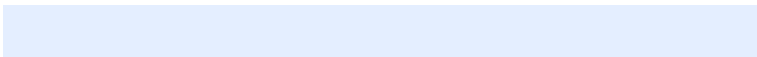
The Inverse Universe completely reimagines the original color for something new.



84.5412, 92.7058, 108.0460



82.3397, 91.1488, 107.8614



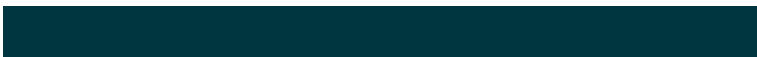
80.5912, 84.8057, 106.7293



18.3118, 19.9952, 23.1443



22.5079, 29.9254, 54.0245

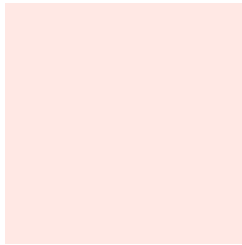


2.2512, 3.0331, 5.2801



# Previews

## White Background



This preview shows how the XYZ color 84.1002, 84.5747, 85.2908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

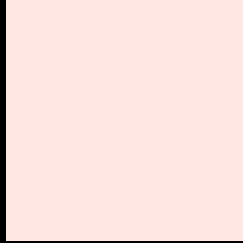
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.1002, 84.5747, 85.2908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

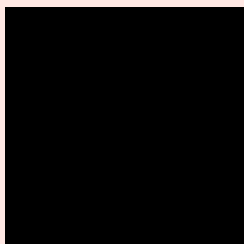
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.1002, 84.5747, 85.2908

## Background



This preview shows how black text looks on a background with the XYZ color 84.1002, 84.5747, 85.2908.



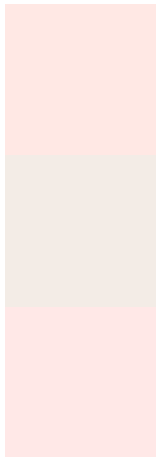
This preview shows how white text looks on a background with the XYZ color 84.1002, 84.5747,

85.2908.

# 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

84.1002, 84.5747, 85.2908

### Protanopia

81.2405, 84.7588, 86.9412

### Deuteranopia

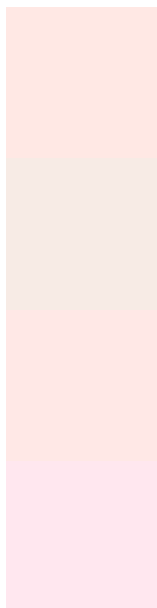
84.5204, 84.7427, 87.5036



## Tritanopia

86.1714, 84.5074, 98.9586

# Trichromacy



## Original Color

84.1002, 84.5747, 85.2908

## Protanomaly

82.2090, 84.8480, 86.1732

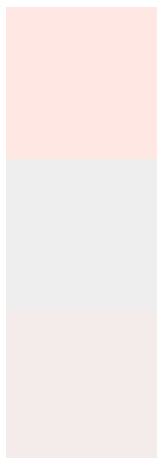
## Deuteranomaly

84.3795, 84.6864, 86.7617

## Tritanomaly

85.3959, 84.6438, 93.4984

# Monochromacy



## Original Color

84.1002, 84.5747, 85.2908

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.1550, 85.1645, 89.9503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.1002, 84.5747, 85.2908 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, 232, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 228)  
}
```

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, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 84.1002, 84.5747, 85.2908 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, 232, 228) }
```



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

```
.border{ border-color:rgb(255, 232, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.1002, 84.5747, 85.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 228) }
```

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

```
.background{ background-color: rgb(255,  
232, 228) }
```

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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