

# Converting Colors

XYZ(99.3306, 92.1786, 89.7364)

Have a look what the booklet for  
XYZ(99.3306, 92.1786, 89.7364)  
contains.

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# Color

**XYZ(84.8046, 84.8564,  
89.0000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8E9
RGB	255, 232, 233
RGB Percent	100%, 91%, 91%
CMY	0.0000, 0.0902, 0.0863
CMYK	0.00, 0.09, 0.09, 0.00
HSL	357°, 100%, 95%
HSV	357°, 9%, 100%
XYZ	84.8046, 84.8564, 89.0000
YIQ	238.9910, 13.3870, 5.1870

# Conversions

## Conversions Part 2

Format	Color
<b>R<sub>YB</sub></b>	255, 232, 233
Decimal	16771305
CIE <sub>Lab</sub>	93.82, 7.99, 2.35
CIE <sub>LCh</sub>	94, 8.324, 16.382
Yxy	84.8564, 0.3279, 0.3281
Android (android.graphics.Color)	4294961385 (0xFFFFE8E9)
YUV	238.9910, -2.9536, 14.0399
Hunter-Lab	92.1175, 3.1237, 7.1988

# Details

The XYZ color **84.8046, 84.8564, 89.0000** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9308, 95.8329, 107.6855**, and the grayscale version is **82.0538, 86.3270, 94.0101**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7498, 46.2308, 48.0544** is the 20% darker color. If you saturate the color by 10%, you get **74.8932, 70.2306, 69.6745**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



Red (100%)

Green (91%)

Blue (91%)



Red (100%)

Yellow (91%)

Blue (91%)



Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8046, 84.8564, 89.0000 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 84.8046, 84.8564, 89.0000 by changing the saturation by 10% instead.




 84.8046, 84.8564,  
89.0000

 84.8046, 84.8564,  
89.0000


499.4747,  
511.1528, 545.2584

 64.0019, 63.7227,  
66.5825


139.0156,  
140.1725, 147.8719

 46.9139, 46.4261,  
48.2860


173.1546,  
175.1238, 185.1634

 33.1753, 32.5822,  
33.6918

212.4697,  
215.4497, 228.2501

 22.4206, 21.8066,  
22.3815

257.3263,  
261.5346, 277.5503

 14.2846, 13.7149,  
13.9365

308.0897,  
313.7630, 333.4827

 8.4019, 7.9226,  
7.9383

365.1254,

 4.4071, 4.0455,

372.5192, 396.4659

3.9683

428.7986,  
438.1877, 466.9182

■ 1.9349, 1.6990,  
1.6079

■ 0.5970, 0.4230,  
0.2965

■ 84.8046, 84.8564,  
89.0000

■ 84.8046, 84.8564,  
89.0000

■ 74.8932, 70.2306,  
69.6745

95.0500, 100.0000,  
108.9000

■ 66.4388, 57.7797,  
53.1136

■ 59.3746, 47.4030,  
39.1927

■ 53.6261, 38.9879,  
27.7752

■ 49.1119, 32.4110,  
18.7127

■ 45.7415, 27.5349,  
11.8408

■ 43.4121, 24.2029,  
6.9742

■ 42.0026, 22.2297,  
3.8967

■ 41.3427, 21.3446,  
2.3367

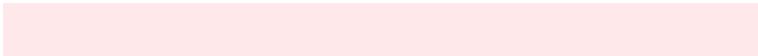
# Harmonies

## Analogous

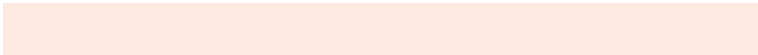
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8595, 84.8564, 95.2929



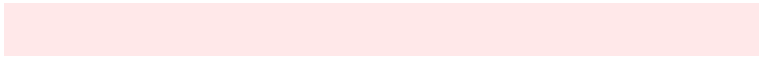
84.8046, 84.8564, 89.0000



83.6242, 84.8564, 83.8506

# Triad

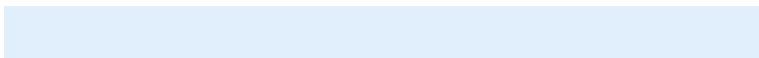
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8046, 84.8564, 89.0000



77.6124, 84.8564, 84.2408



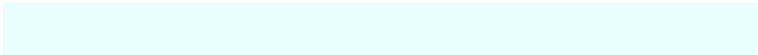
79.6559, 84.8564, 104.7497

# Complementary

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



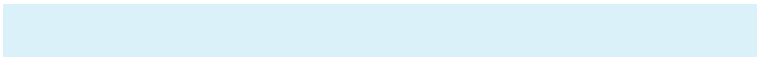
84.8046, 84.8564, 89.0000



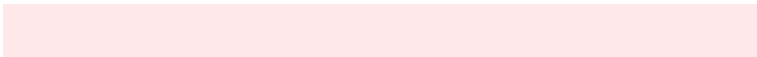
86.9308, 95.8329, 107.6855

# Split Complementary

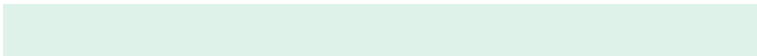
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7539, 84.8564, 101.4992



84.8046, 84.8564, 89.0000



76.5887, 84.8564, 89.5549

# Square

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



84.8046, 84.8564, 89.0000



79.4594, 84.8564, 81.1901



76.6400, 84.8564, 95.8736



81.8594, 84.8564, 104.5844

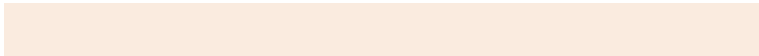


# Rectangle

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



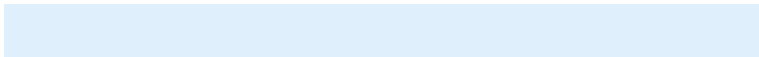
84.8046, 84.8564, 89.0000



82.3701, 84.8564, 81.6736



76.6400, 84.8564, 95.8736



78.9609, 84.8564, 104.0142

# Sweetspot

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



84.8065, 84.8599, 89.0018



91.5017, 94.7533, 102.0144



87.7266, 85.9792, 106.5797



19.3873, 19.9886, 21.4510



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

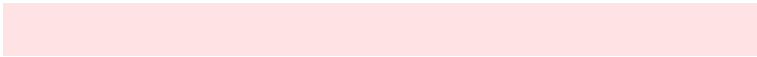


# Same Dimension

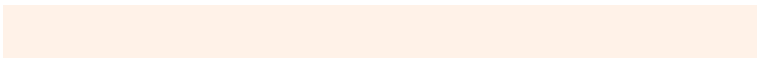
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8065, 84.8599, 89.0018



82.7219, 81.7814, 84.9440



87.6637, 90.8013, 89.2544



18.0412, 17.9998, 18.8344



21.5942, 11.1270, 1.2474

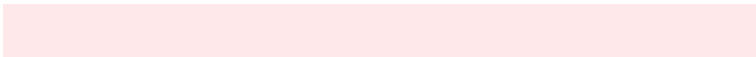


2.1133, 1.0877, 0.1778

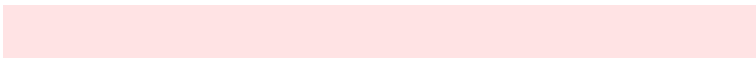


# Inverse Universe

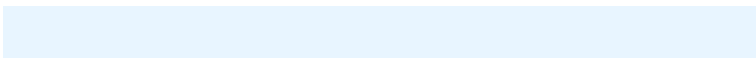
The Inverse Universe completely reimagines the original color for something new.



84.8065, 84.8599, 89.0018



82.7219, 81.7814, 84.9440



83.8781, 89.4717, 107.4567



18.0412, 17.9998, 18.8344



21.5942, 11.1270, 1.2474

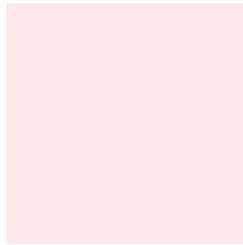


2.1133, 1.0877, 0.1778



# Previews

## White Background



This preview shows how the XYZ color 84.8046, 84.8564, 89.0000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

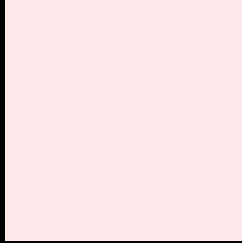
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8046, 84.8564, 89.0000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

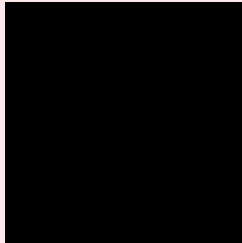
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

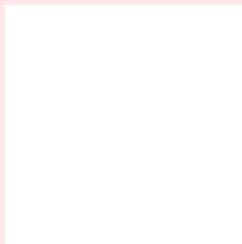
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.8046, 84.8564, 89.0000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.8046, 84.8564, 89.0000.



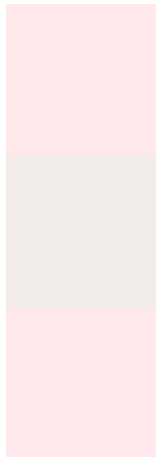
This preview shows how white text looks on a background with the XYZ color 84.8046, 84.8564,

89.0000.

# 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

84.8046, 84.8564, 89.0000

### Protanopia

81.6088, 84.8663, 90.6769

### Deuteranopia

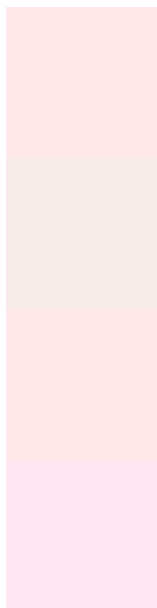
85.0920, 84.9714, 90.5135



## Tritanopia

86.6044, 85.1272, 99.8623

# Trichromacy



## Original Color

84.8046, 84.8564, 89.0000

## Protanomaly

82.9174, 85.1313, 89.9037

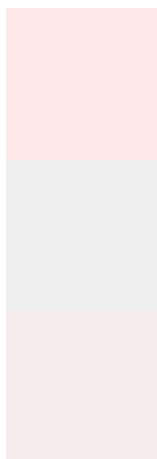
## Deuteranomaly

84.9479, 84.9137, 89.7547

## Tritanomaly

85.8429, 84.8226, 95.8524

# Monochromacy



## Original Color

84.8046, 84.8564, 89.0000

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.9377, 85.5178, 92.2561

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8046, 84.8564, 89.0000 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, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8046, 84.8564, 89.0000 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, 233) }
```



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

```
.border{ border-color:rgb(255, 232, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8046, 84.8564, 89.0000 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
232, 233) }
```

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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