

# Converting Colors

XYZ(111.8890, 100.0000,  
84.4657)

Have a look what the booklet for  
XYZ(111.8890, 100.0000, 84.4657)  
contains.

<b>XYZ(84.2534, 85.5419, 83.3048)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.2534, 85.5419,  
83.3048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAE1
RGB	255, 234, 225
RGB Percent	100%, 92%, 88%
CMY	0.0000, 0.0823, 0.1176
CMYK	0.00, 0.08, 0.12, 0.00
HSL	18°, 100%, 94%
HSV	18°, 12%, 100%
XYZ	84.2534, 85.5419, 83.3048
YIQ	239.2530, 15.4050, 1.6530

# Conversions

## Conversions Part 2

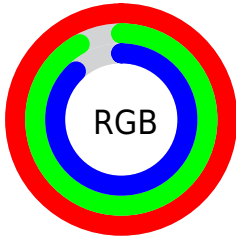
Format	Color
R <sub>Y</sub> B	255, 238, 225
Decimal	16771809
CIE Lab	94.12, 5.67, 6.93
CIE LCh	94, 8.956, 50.726
Yxy	85.5419, 0.3329, 0.3380
Android (android.graphics.Color)	4294961889 (0xFFFFEAE1)
YUV	239.2530, -7.0267, 13.8101
Hunter-Lab	92.4889, 0.7504, 11.3397

# Details

The XYZ color **84.2534, 85.5419, 83.3048** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **82.0563, 89.1366, 107.4880**, and the grayscale version is **82.2876, 86.5729, 94.2779**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4648, 46.7488, 44.6047** is the 20% darker color. If you saturate the color by 10%, you get **76.2042, 74.6009, 64.7218**, and if you desaturate by 10%, it is **93.3381, 97.7215, 104.7982**.

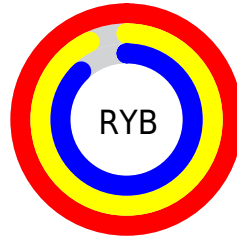
# Distribution



Red (100%)

Green (92%)

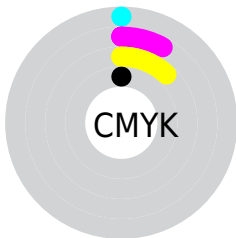
Blue (88%)



Red (100%)

Yellow (93%)

Blue (88%)

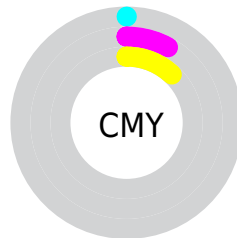


Cyan (0%)

Magenta (8%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2534, 85.5419, 83.3048 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 84.2534, 85.5419, 83.3048 by changing the saturation by 10% instead.




 84.2534, 85.5419,  
83.3048

 84.2534, 85.5419,  
83.3048


497.6753,  
513.4195, 525.9994

 63.5451, 64.2892,  
61.8996


138.2490,  
141.1300, 139.8553

 46.5426, 46.8850,  
44.5163


172.2670,  
176.2343, 175.8377

 32.8807, 32.9447,  
30.7364


211.4523,  
216.7246, 217.5162

 22.1938, 22.0841,  
20.1414

256.1702,  
262.9852, 265.3093

 14.1168, 13.9187,  
12.3128

306.7861,  
315.4006, 319.6357

 8.2842, 8.0642,  
6.8320

363.6654,

 4.3307, 4.1360,

374.3552, 380.9138

3.2804

427.1733,  
440.2334, 449.5622

■ 1.8908, 1.7499,  
1.2395

■ 0.5715, 0.4557,  
0.0114

■ 84.2534, 85.5419,  
83.3048

■ 84.2534, 85.5419,  
83.3048

■ 76.2042, 74.6009,  
64.7218

■ 93.3381, 97.7215,  
104.7982

■ 69.1462, 64.8483,  
48.9179

95.0500, 100.0000,  
108.9000

■ 63.0412, 56.2462,  
35.7596

■ 57.8456, 48.7509,  
25.1005

■ 53.5126, 42.3153,  
16.7796

■ 49.9903, 36.8890,  
10.6167

■ 47.2209, 32.4169,  
6.4052

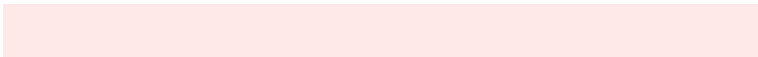
■ 45.1370, 28.8375,  
3.8968

■ 43.8620, 26.5040,  
2.8040

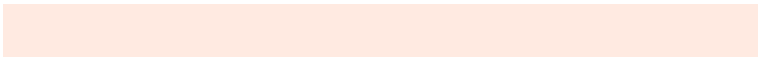
# Harmonies

## Analogous

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



85.6860, 85.5419, 88.5532



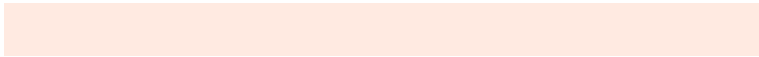
84.2534, 85.5419, 83.3048



82.0489, 85.5419, 80.7281

# Triad

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



84.2534, 85.5419, 83.3048



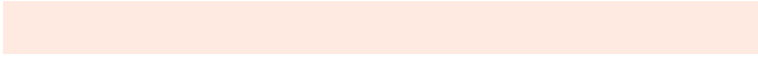
76.8468, 85.5419, 91.0326



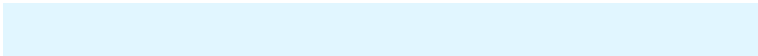
82.9447, 85.5419, 106.0205

# Complementary

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



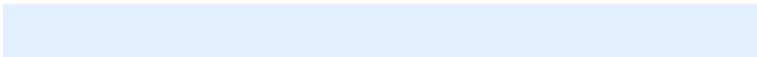
84.2534, 85.5419, 83.3048



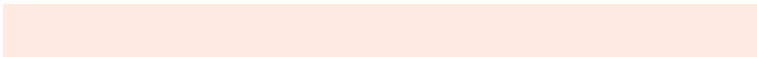
82.0563, 89.1366, 107.4880

# 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.



80.5656, 85.5419, 106.7644



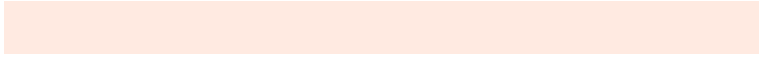
84.2534, 85.5419, 83.3048



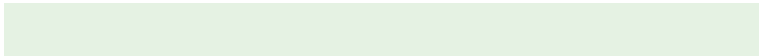
77.0760, 85.5419, 97.8838

# Square

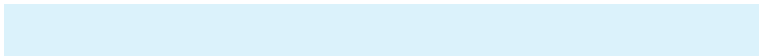
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2534, 85.5419, 83.3048



77.7939, 85.5419, 85.0434



78.4262, 85.5419, 103.7216

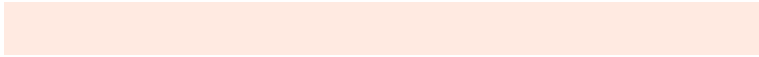


84.9202, 85.5419, 101.7361



# Rectangle

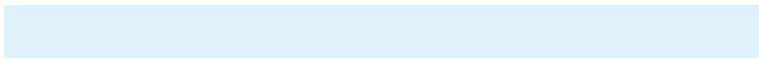
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2534, 85.5419, 83.3048



80.4514, 85.5419, 80.7808



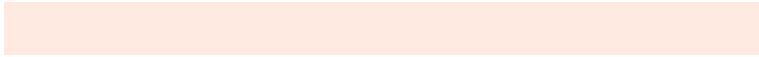
78.4262, 85.5419, 103.7216



82.1646, 85.5419, 106.7008

# Sweetspot

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



84.2554, 85.5455, 83.3066



91.2158, 94.8902, 99.7342



84.8003, 81.7652, 98.5020



19.3737, 20.1095, 20.9898



0.0000, 0.0000, 0.0000

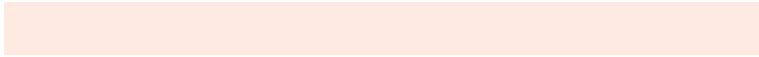


20.3446, 21.4041, 23.3091

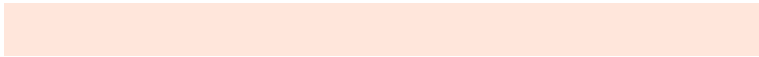


# Same Dimension

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



84.2554, 85.5455, 83.3066



82.3670, 82.9928, 78.9031



88.7066, 94.4479, 84.7903



18.4538, 18.8758, 18.8151



23.0321, 14.0755, 1.5029

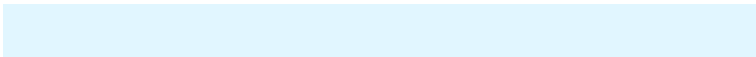


2.3333, 1.5520, 0.1766

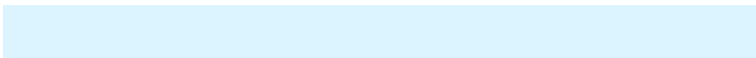


# Inverse Universe

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



82.0563, 89.1366, 107.4880



79.7900, 87.1991, 107.2335



77.6782, 80.3804, 106.0286



18.0676, 19.5067, 23.0629



17.9349, 20.7795, 52.5002

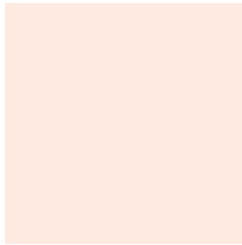


1.8421, 2.2148, 5.1437



# Previews

## White Background



This preview shows how the XYZ color 84.2534, 85.5419, 83.3048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

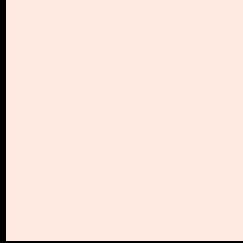
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.2534, 85.5419, 83.3048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

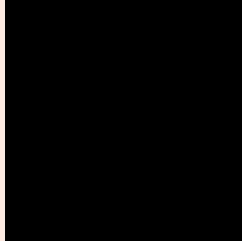
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.2534, 85.5419, 83.3048**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.2534, 85.5419, 83.3048.



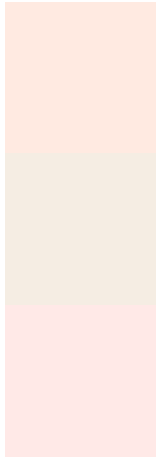
This preview shows how white text looks on a background with the XYZ color 84.2534, 85.5419,

83.3048.

# 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

84.2534, 85.5419, 83.3048

### Protanopia

81.8055, 85.5269, 84.8698

### Deuteranopia

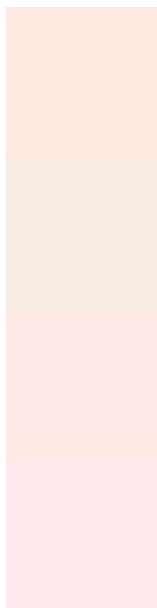
84.8027, 85.3073, 87.5977



## Tritanopia

86.8851, 85.6886, 99.9559

# Trichromacy



## Original Color

84.2534, 85.5419, 83.3048

## Protanomaly

82.7898, 85.6216, 84.1146

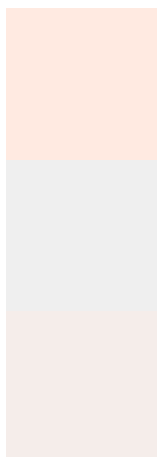
## Deuteranomaly

84.5218, 85.1950, 86.1182

## Tritanomaly

85.9589, 85.7698, 93.6861

# Monochromacy



## Original Color

84.2534, 85.5419, 83.3048

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.7917, 85.9214, 90.0628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2534, 85.5419, 83.3048 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, 234, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 225)  
}
```

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, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2534, 85.5419, 83.3048 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, 234, 225) }
```



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

```
.border{ border-color:rgb(255, 234, 225) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2534, 85.5419, 83.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 225) }
```

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

```
.background{ background-color: rgb(255,  
234, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor