

# Converting Colors

XYZ(115.4993, 100.0000,  
86.7917)

Have a look what the booklet for  
XYZ(115.4993, 100.0000, 86.7917)  
contains.

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# Color

**XYZ(83.5404, 83.4551,  
85.1042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6E4
RGB	255, 230, 228
RGB Percent	100%, 90%, 89%
CMY	0.0000, 0.0980, 0.1059
CMYK	0.00, 0.10, 0.11, 0.00
HSL	4°, 100%, 95%
HSV	4°, 11%, 100%
XYZ	83.5404, 83.4551, 85.1042
YIQ	237.2470, 15.5420, 4.6780

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 230, 228
Decimal	16770788
CIE Lab	93.21, 8.20, 4.07
CIE LCh	93, 9.156, 26.385
Yxy	83.4551, 0.3314, 0.3310
Android (android.graphics.Color)	4294960868 (0xFFFE6E4)
YUV	237.2470, -4.5588, 15.5694
Hunter-Lab	91.3538, 3.3641, 8.7137

# Details

The XYZ color **83.5404, 83.4551, 85.1042** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1693, 93.9620, 108.2553**, and the grayscale version is **80.7139, 84.9173, 92.4750**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9676, 45.2950, 45.8552** is the 20% darker color. If you saturate the color by 10%, you get **74.1278, 69.8833, 65.7709**, and if you desaturate by 10%, it is **94.3688, 99.0220, 107.4875**.

# Distribution



Red (100%)

Green (90%)

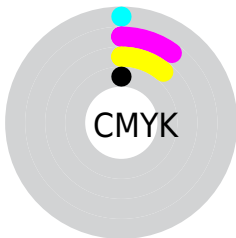
Blue (89%)



Red (100%)

Yellow (90%)

Blue (89%)

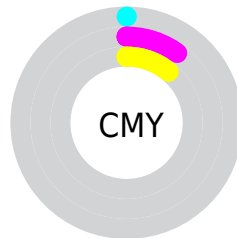


Cyan (0%)

Magenta (10%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5404, 83.4551, 85.1042 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 83.5404, 83.4551, 85.1042 by changing the saturation by 10% instead.




 83.5404, 83.4551,  
85.1042

 83.5404, 83.4551,  
85.1042

495.3425,  
506.5020, 532.1264

 62.9545, 62.5657,  
63.3768

137.2567,  
138.2127, 142.3942

 46.0629, 45.4899,  
45.7032

171.1177,  
172.8496, 178.7939

 32.5003, 31.8435,  
31.6647


210.1346,  
212.8378, 220.9215

 21.9013, 21.2420,  
20.8428

254.6725,  
258.5617, 269.1955

 13.9006, 13.3010,  
12.8190

305.0969,  
310.4057, 324.0345

 8.1328, 7.6361,  
7.1748

361.7731,

 4.2326, 3.8630,

368.7541, 385.8569

3.4916

425.0665,  
433.9914, 455.0813

■ 1.8345, 1.5972,  
1.3508

■ 0.5383, 0.3557,  
0.1029

■ 83.5404, 83.4551,  
85.1042

■ 83.5404, 83.4551,  
85.1042

■ 74.1278, 69.8833,  
65.7709

94.3688, 99.0220,  
107.4875

■ 66.0667, 58.2159,  
49.3505

95.0500, 100.0000,  
108.9000

■ 59.2969, 48.3710,  
35.7035

■ 53.7510, 40.2564,  
24.6765

■ 49.3558, 33.7721,  
16.1016

■ 46.0299, 28.8077,  
9.7913

■ 43.6815, 25.2390,  
5.5309

■ 42.2031, 22.9224,  
3.0644

■ 41.4717, 21.7235,  
2.0072

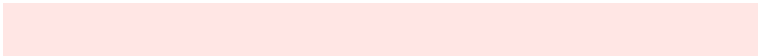
# Harmonies

## Analogous

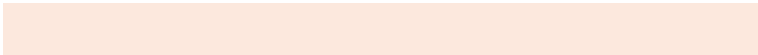
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0309, 83.4551, 91.7067



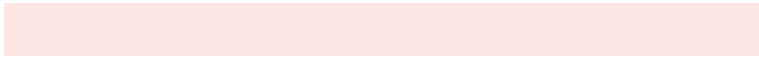
83.5404, 83.4551, 85.1042



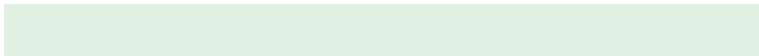
81.9115, 83.4551, 80.2708

# Triad

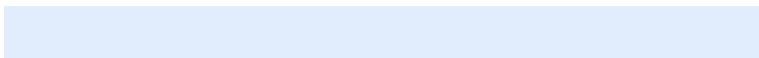
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5404, 83.4551, 85.1042



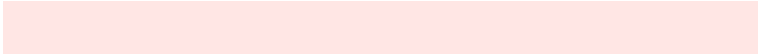
75.5293, 83.4551, 83.7260



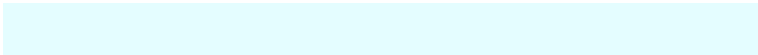
79.0301, 83.4551, 104.7495

# Complementary

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



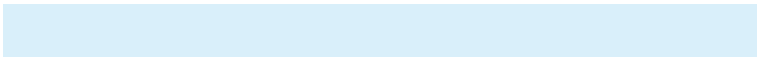
83.5404, 83.4551, 85.1042



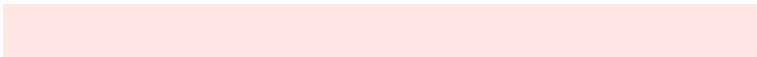
85.1693, 93.9620, 108.2553

# 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.



76.7868, 83.4551, 102.3600



83.5404, 83.4551, 85.1042



74.7915, 83.4551, 90.0352

# Square

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



83.5404, 83.4551, 85.1042



77.2825, 83.4551, 79.5038



75.2472, 83.4551, 96.8872



81.3962, 83.4551, 103.2675



# Rectangle

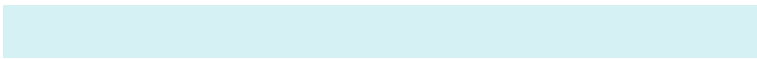
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



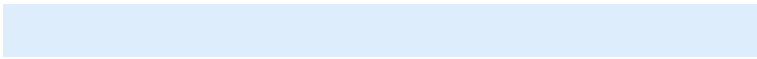
83.5404, 83.4551, 85.1042



80.4161, 83.4551, 78.5850



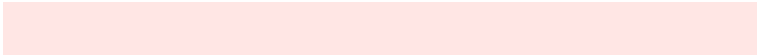
75.2472, 83.4551, 96.8872



78.2371, 83.4551, 104.3695

# Sweetspot

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



83.5424, 83.4586, 85.1060



91.6248, 95.0814, 101.8025



86.7454, 83.8523, 104.7089



19.4203, 20.0767, 21.3942



0.0000, 0.0000, 0.0000

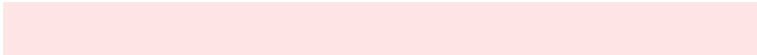


20.3446, 21.4041, 23.3091

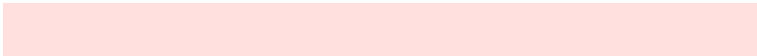


# Same Dimension

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



83.5424, 83.4586, 85.1060



81.1441, 80.0047, 80.1676



87.3845, 91.1429, 86.3867



18.1177, 18.2035, 18.7031



21.7085, 11.4283, 1.0617

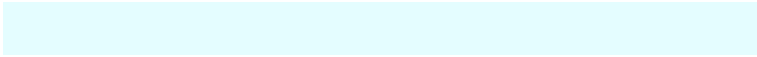


2.1495, 1.1844, 0.1153

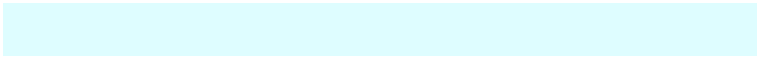


# Inverse Universe

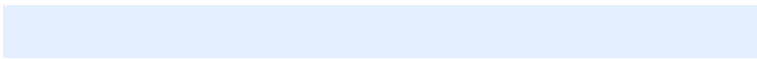
The Inverse Universe completely reimagines the original color for something new.



85.1693, 93.9620, 108.2553



83.1081, 92.6856, 108.1176



81.1176, 85.8585, 106.9047



18.4327, 20.2369, 23.1846



25.1636, 35.2368, 54.9097

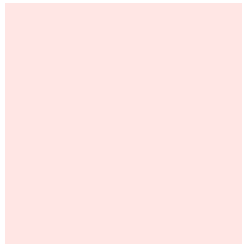


2.4831, 3.4970, 5.3574



# Previews

## White Background



This preview shows how the XYZ color 83.5404, 83.4551, 85.1042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

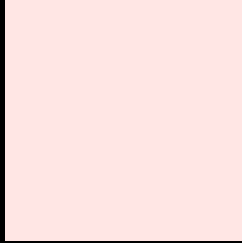
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.5404, 83.4551, 85.1042 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

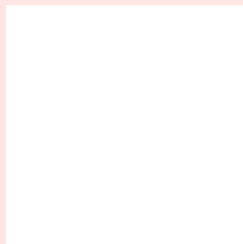
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.5404, 83.4551, 85.1042**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.5404, 83.4551, 85.1042.



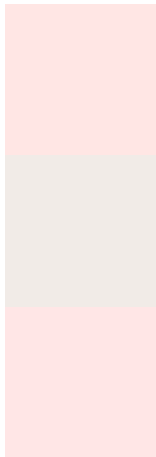
This preview shows how white text looks on a background with the XYZ color 83.5404, 83.4551,

85.1042.

# 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

83.5404, 83.4551, 85.1042

### Protanopia

80.4078, 83.8870, 87.5552

### Deuteranopia

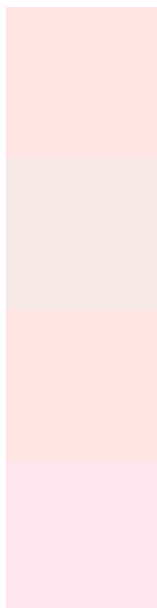
83.8197, 83.5668, 86.5751



## Tritanopia

85.3125, 83.2785, 97.1658

# Trichromacy



## Original Color

83.5404, 83.4551, 85.1042

## Protanomaly

81.4279, 83.5838, 86.7045

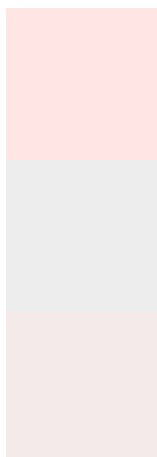
## Deuteranomaly

83.6797, 83.5108, 85.8375

## Tritanomaly

84.6919, 83.4717, 92.5368

# Monochromacy



## Original Color

83.5404, 83.4551, 85.1042

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.5823, 84.0192, 89.7594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.5404, 83.4551, 85.1042 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, 230, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 83.5404, 83.4551, 85.1042 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, 230, 228) }
```



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

```
.border{ border-color:rgb(255, 230, 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, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.5404, 83.4551, 85.1042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 228) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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