

# Converting Colors

XYZ(81.8800, 84.6540, 91.1219)

Have a look what the booklet for  
XYZ(81.8800, 84.6540, 91.1219)  
contains.

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# Color

**XYZ(81.8108, 84.5275,  
91.3604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3EBEC
RGB	243, 235, 236
RGB Percent	95%, 92%, 93%
CMY	0.0471, 0.0784, 0.0745
CMYK	0.00, 0.03, 0.03, 0.05
HSL	353°, 25%, 94%
HSV	353°, 3%, 95%
XYZ	81.8108, 84.5275, 91.3604
YIQ	237.5060, 4.4470, 2.0070

# Conversions

## Conversions Part 2

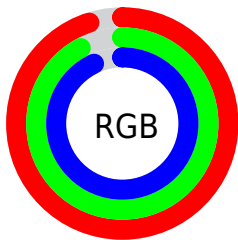
Format	Color
R <sub>Y</sub> B	243, 235, 236
Decimal	15985644
CIE Lab	93.68, 2.87, 0.46
CIE LCh	94, 2.903, 9.195
Yxy	84.5275, 0.3175, 0.3280
Android (android.graphics.Color)	4294175724 (0xFF3EBEC)
YUV	237.5060, -0.7425, 4.8182
Hunter-Lab	91.9388, -2.0566, 5.4402

# Details

The XYZ color **81.8108, 84.5275, 91.3604** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.3417, 88.1763, 96.6887**, and the grayscale version is **80.8915, 85.1041, 92.6784**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8518, 46.1003, 49.7143** is the 20% darker color. If you saturate the color by 10%, you get **72.4146, 70.3897, 73.8767**, and if you desaturate by 10%, it is **90.7726, 97.7949, 108.6998**.

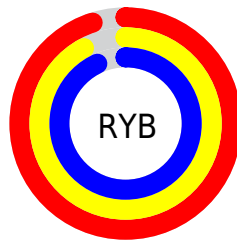
# Distribution



Red (95%)

Green (92%)

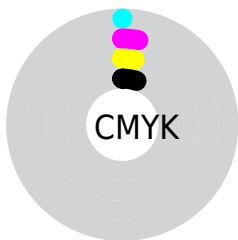
Blue (93%)



Red (95%)

Yellow (92%)

Blue (93%)

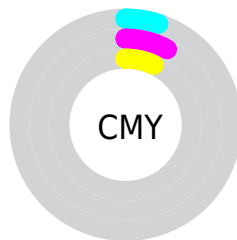


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (5%)



Cyan (5%)

Magenta (8%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8108, 84.5275, 91.3604 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 81.8108, 84.5275, 91.3604 by changing the saturation by 10% instead.



81.8108, 84.5275,  
91.3604

81.8108, 84.5275,  
91.3604

489.6587,  
510.0633, 553.1302

61.5232, 63.4510,  
68.5294

134.8459,  
139.7128, 151.1786

44.9017, 46.2062,  
49.8592

168.3240,  
174.5905, 189.0029

31.5809, 32.4086,  
34.9311

206.9297,  
214.8373, 232.6621

21.1956, 21.6738,  
23.3267

251.0283,  
260.8378, 282.5748

13.3803, 13.6174,  
14.6274

300.9851,  
312.9762, 339.1593

7.7698, 7.8550,  
8.4146

357.1655,

3.9985, 4.0023,

371.6370, 402.8344

4.2698

419.9350,  
437.2046, 474.0185

■ 1.7013, 1.6749,  
1.7745

■ 0.4571, 0.4073,  
0.4111

■ 81.8108, 84.5275,  
91.3604

■ 81.8108, 84.5275,  
91.3604

■ 72.4146, 70.3897,  
73.8767

■ 90.7726, 97.7949,  
108.6998

■ 64.2835, 58.2144,  
58.5664

■ 57.3653, 47.9182,  
45.3462

■ 51.6015, 39.4074,  
34.1250

■ 46.9289, 32.5801,  
24.8052

■ 43.2780, 27.3242,  
17.2808

■ 40.5713, 23.5141,  
11.4354

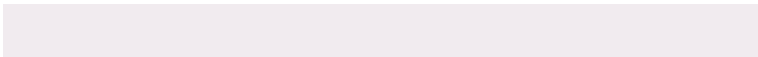
■ 38.7198, 21.0047,  
7.1387

■ 37.6173, 19.6205,  
4.2407

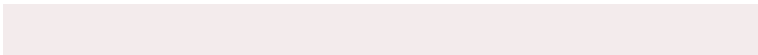
# Harmonies

## Analogous

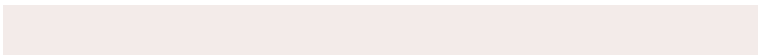
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7324, 84.5275, 93.5499



81.8108, 84.5275, 91.3604



81.4934, 84.5275, 89.3832

# Triad

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



81.8108, 84.5275, 91.3604



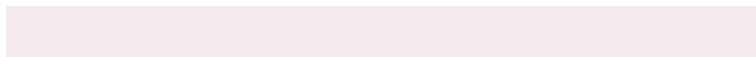
79.4091, 84.5275, 88.7899



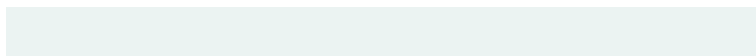
79.8163, 84.5275, 96.0557

# Complementary

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



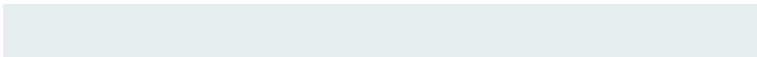
81.8108, 84.5275, 91.3604



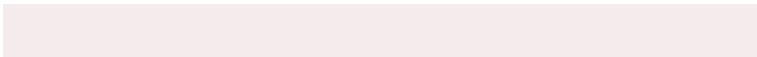
82.3417, 88.1763, 96.6887

# Split Complementary

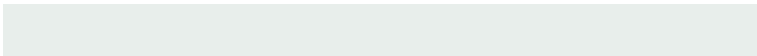
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1992, 84.5275, 94.7409



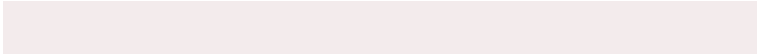
81.8108, 84.5275, 91.3604



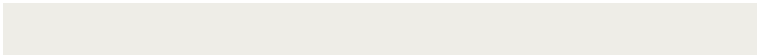
78.9652, 84.5275, 90.5387

# Square

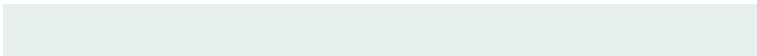
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



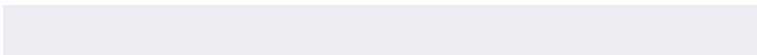
81.8108, 84.5275, 91.3604



80.1046, 84.5275, 87.9148



78.8886, 84.5275, 92.7151



80.5776, 84.5275, 96.2842



# Rectangle

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



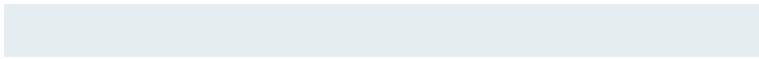
81.8108, 84.5275, 91.3604



81.1012, 84.5275, 88.4431



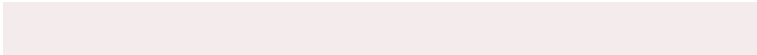
78.8886, 84.5275, 92.7151



79.5852, 84.5275, 95.7251

# Sweetspot

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



81.8132, 84.5312, 91.3622



93.8845, 98.2408, 106.7486



82.4836, 84.7570, 96.8075



20.1074, 21.0461, 22.8713



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.



81.8132, 84.5312, 91.3622



90.4773, 93.1020, 100.4472



82.5152, 86.1661, 90.8844



17.5739, 18.0076, 19.3922



20.4427, 10.5205, 1.7735



1.8230, 0.9352, 0.2942



# Inverse Universe

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



81.8132, 84.5312, 91.3622



90.4773, 93.1020, 100.4472



81.6214, 86.4955, 97.1885



17.5739, 18.0076, 19.3922



20.4427, 10.5205, 1.7735

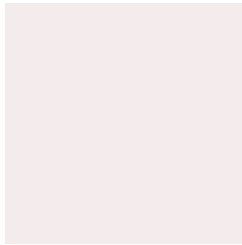


1.8230, 0.9352, 0.2942



# Previews

## White Background



This preview shows how the XYZ color 81.8108, 84.5275, 91.3604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

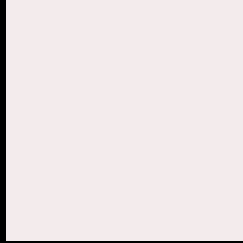
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8108, 84.5275, 91.3604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

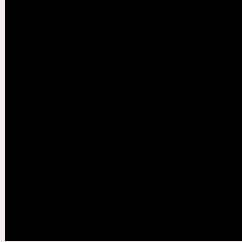
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

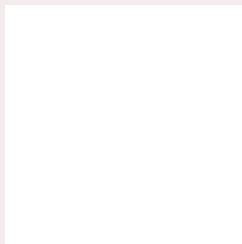
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.8108, 84.5275, 91.3604

## Background



This preview shows how black text looks on a background with the XYZ color 81.8108, 84.5275, 91.3604.



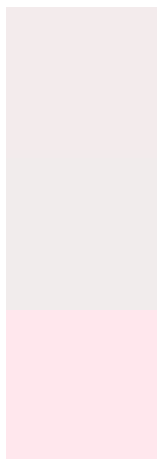
This preview shows how white text looks on a background with the XYZ color 81.8108, 84.5275,

91.3604.

# 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

81.8108, 84.5275, 91.3604

### Protanopia

81.4114, 84.7478, 91.4240

### Deuteranopia

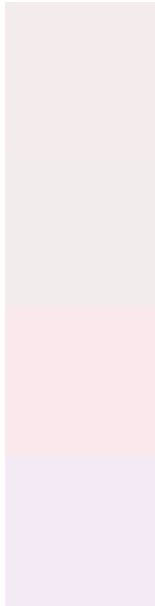
85.1020, 84.5263, 91.9506



## Tritanopia

84.2077, 84.6553, 103.1687

# Trichromacy



## Original Color

81.8108, 84.5275, 91.3604

## Protanomaly

81.7537, 84.9243, 91.4400

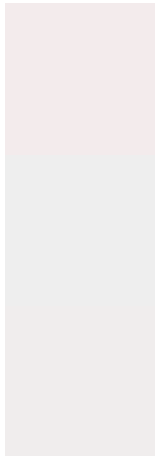
## Deuteranomaly

83.9263, 84.3369, 91.9760

## Tritanomaly

83.3656, 84.7326, 99.1500

# Monochromacy



## Original Color

81.8108, 84.5275, 91.3604

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.5054, 85.2081, 92.2718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8108, 84.5275, 91.3604 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(243, 235, 236) looks like.

```
.text, #text, p{  
    color:rgb(243, 235, 236)  
}
```

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(243, 235, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 235, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8108, 84.5275, 91.3604 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(243, 235, 236) }
```



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

```
.border{ border-color:rgb(243, 235, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 235, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 235, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 235, 236);  
box-shadow:4px 4px 4px 4px rgb(243, 235,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8108, 84.5275, 91.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 235, 236) }
```

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

```
.background{ background-color: rgb(243,  
235, 236) }
```

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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