

# Converting Colors

XYZ(83.1217, 89.4886, 96.1111)

Have a look what the booklet for  
XYZ(83.1217, 89.4886, 96.1111)  
contains.

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# Color

**XYZ(83.1217, 89.4886,  
96.1111)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ECF5F1
RGB	236, 245, 241
RGB Percent	93%, 96%, 95%
CMY	0.0745, 0.0392, 0.0549
CMYK	0.04, 0.00, 0.02, 0.04
HSL	153°, 31%, 94%
HSV	153°, 4%, 96%
XYZ	83.1217, 89.4886, 96.1111
YIQ	241.8530, -4.0800, -3.1520

# Conversions

## Conversions Part 2

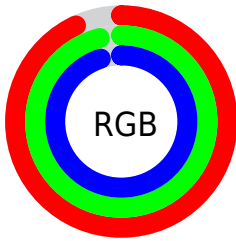
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 242, 245
Decimal	15529457
CIE Lab	95.78, -3.68, 0.88
CIE LCh	96, 3.784, 166.573
Yxy	89.4886, 0.3093, 0.3330
Android (android.graphics.Color)	4293719537 (0xFFECEF5F1)
YUV	241.8530, -0.4205, -5.1331
Hunter-Lab	94.5984, -8.7029, 5.9808

# Details

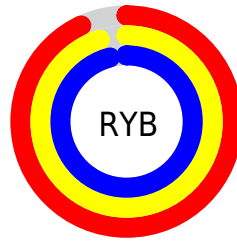
The XYZ color **83.1217, 89.4886, 96.1111** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3832, 85.6970, 94.5890**, and the grayscale version is **84.2896, 88.6792, 96.5717**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7769, 49.6013, 53.0602** is the 20% darker color. If you saturate the color by 10%, you get **73.9598, 84.9505, 87.4402**, and if you desaturate by 10%, it is **91.4485, 93.5900, 105.2547**.

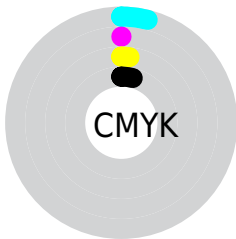
# Distribution



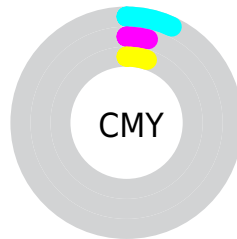
- Red (93%)
- Green (96%)
- Blue (95%)



- Red (93%)
- Yellow (95%)
- Blue (96%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1217, 89.4886, 96.1111 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 83.1217, 89.4886, 96.1111 by changing the saturation by 10% instead.



83.1217, 89.4886,  
96.1111

83.1217, 89.4886,  
96.1111

493.9698,  
526.3659, 568.7909

62.6078, 67.5566,  
72.4581

136.6735,  
146.6278, 157.8075

45.7815, 49.5371,  
53.0439

170.4422,  
182.6038, 196.6880

32.2773, 35.0457,  
37.4498

209.3598,  
224.0299, 241.4814

21.7300, 23.6981,  
25.2574

253.7918,  
271.2905, 292.6062

13.7741, 15.1098,  
16.0482

304.1034,  
324.7700, 350.4811

8.0444, 8.8965,  
9.4035

360.6600,

4.1754, 4.6737,

384.8528, 415.5244

4.9049

423.8270,  
451.9233, 488.1549

■ 1.8018, 2.0571,  
2.1338

■ 0.5188, 0.6404,  
0.6358

■ 83.1217, 89.4886,  
96.1111

■ 83.1217, 89.4886,  
96.1111

■ 73.9598, 84.9505,  
87.4402

■ 91.4485, 93.5900,  
105.2547

■ 65.9618, 80.9987,  
79.3214

■ 91.9441, 93.7883,  
107.8647

■ 59.0803, 77.6118,  
71.7451

■ 53.2616, 74.7620,  
64.6996

■ 48.4474, 72.4197,  
58.1725

■ 44.5737, 70.5520,  
52.1511

■ 41.5684, 69.1220,  
46.6217

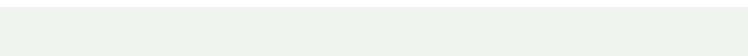
■ 39.3484, 68.0871,  
41.5699

■ 37.8130, 67.3955,  
36.9800

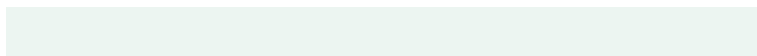
# Harmonies

## Analogous

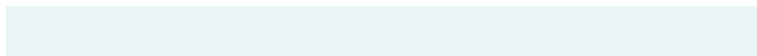
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6090, 89.4886, 93.5452



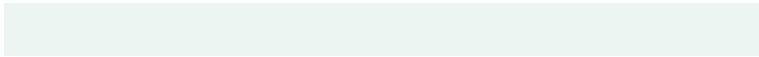
83.1217, 89.4886, 96.1111



83.1497, 89.4886, 99.0842

# Triad

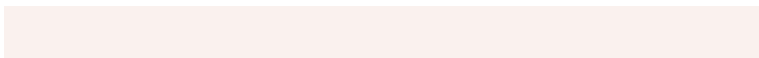
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1217, 89.4886, 96.1111



85.6292, 89.4886, 103.0434



86.4414, 89.4886, 93.3285

# Complementary

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



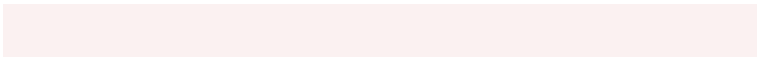
83.1217, 89.4886, 96.1111



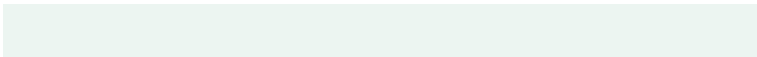
83.3832, 85.6970, 94.5890

# Split Complementary

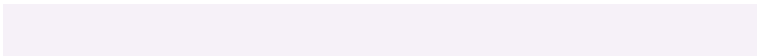
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9916, 89.4886, 95.8099



83.1217, 89.4886, 96.1111



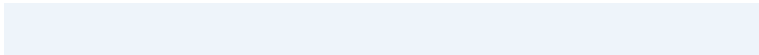
86.5201, 89.4886, 101.4371

# Square

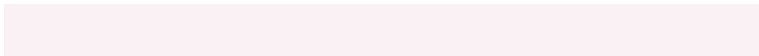
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



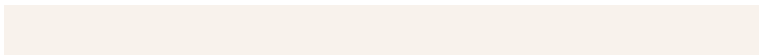
83.1217, 89.4886, 96.1111



84.5917, 89.4886, 103.1281



87.0205, 89.4886, 98.7768



85.5225, 89.4886, 91.9609

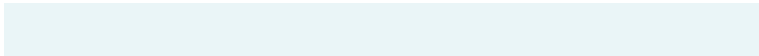


# Rectangle

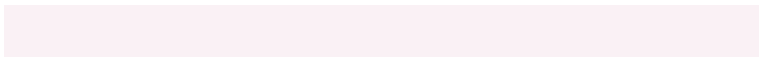
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



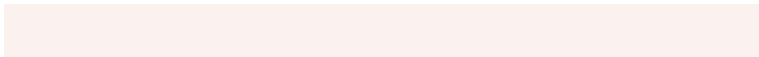
83.1217, 89.4886, 96.1111



83.4568, 89.4886, 100.8981



87.0205, 89.4886, 98.7768



86.6760, 89.4886, 94.0577

# Sweetspot

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



83.1242, 89.4924, 96.1131



93.9360, 99.4467, 107.8977



83.7481, 89.8991, 92.2965



20.1179, 21.2915, 23.1051



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

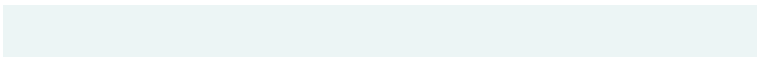
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1242, 89.4924, 96.1131



90.6746, 97.8278, 104.9281



83.5931, 89.4623, 99.2529



17.6192, 19.0980, 20.4248



20.0573, 36.1678, 18.8534

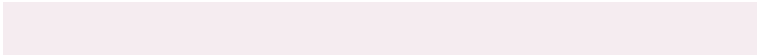


1.8145, 3.1995, 1.9293



# Inverse Universe

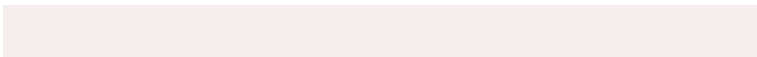
The Inverse Universe completely reimagines the original color for something new.



83.3832, 85.6970, 94.5890



90.9833, 93.3044, 103.1117



82.9245, 85.7212, 91.5335



17.6904, 18.0542, 20.0057



21.8390, 11.0790, 9.1266

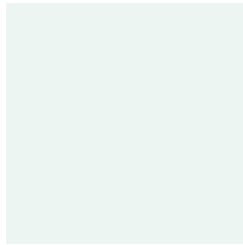


1.9703, 0.9941, 1.0701



# Previews

## White Background



This preview shows how the XYZ color 83.1217, 89.4886, 96.1111 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

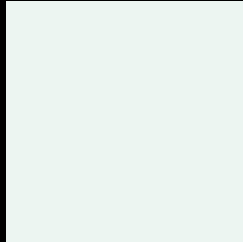
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.1217, 89.4886, 96.1111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

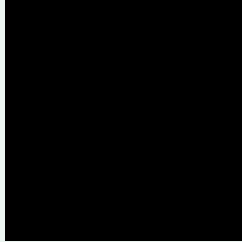
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

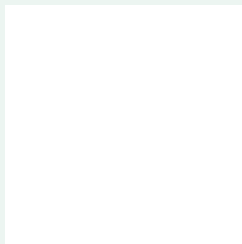
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.1217, 89.4886, 96.1111

## Background



This preview shows how black text looks on a background with the XYZ color 83.1217, 89.4886, 96.1111.



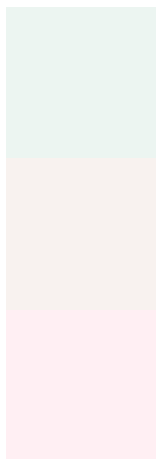
This preview shows how white text looks on a background with the XYZ color 83.1217, 89.4886,

96.1 11.

# 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

83.1217, 89.4886, 96.1111

### Protanopia

86.0435, 89.6927, 94.4388

### Deuteranopia

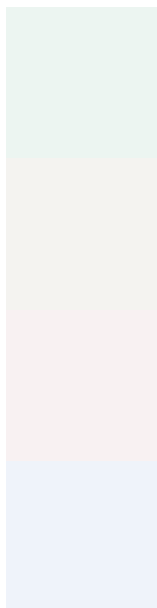
88.2842, 89.4641, 97.4092



## Tritanopia

85.7373, 89.2495, 107.3158

# Trichromacy



## Original Color

83.1217, 89.4886, 96.1111

## Protanomaly

85.0870, 89.6256, 95.2530

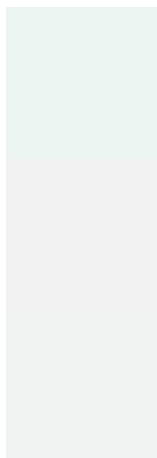
## Deuteranomaly

86.1937, 89.2779, 96.6939

## Tritanomaly

84.9025, 89.3540, 103.2147

# Monochromacy



## Original Color

83.1217, 89.4886, 96.1111

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.0128, 89.0373, 96.7624

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.1217, 89.4886, 96.1111 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(236, 245, 241) looks like.

```
.text, #text, p{  
    color:rgb(236, 245, 241)  
}
```

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(236, 245, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 245, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 83.1217, 89.4886, 96.1111 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(236, 245, 241) }
```



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

```
.border{ border-color:rgb(236, 245, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 245, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 245, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 245, 241);  
box-shadow:4px 4px 4px 4px rgb(236, 245,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.1217, 89.4886, 96.1111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 245, 241) }
```

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

```
.background{ background-color: rgb(236,  
245, 241) }
```

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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