

# Converting Colors

XYZ(82.8782, 89.1152, 99.6713)

Have a look what the booklet for  
XYZ(82.8782, 89.1152, 99.6713)  
contains.

<b>XYZ(83.2186, 89.4511, 100.0685)</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(83.2186, 89.4511,  
100.0685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA5F6
RGB	234, 245, 246
RGB Percent	92%, 96%, 96%
CMY	0.0823, 0.0392, 0.0353
CMYK	0.05, 0.00, 0.00, 0.04
HSL	185°, 40%, 94%
HSV	185°, 5%, 96%
XYZ	83.2186, 89.4511, 100.0685
YIQ	241.8250, -6.8770, -2.0210

# Conversions

## Conversions Part 2

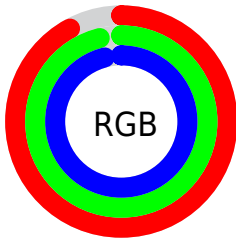
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 240, 246
Decimal	15398390
CIE Lab	95.77, -3.43, -1.75
CIE LCh	96, 3.847, 206.992
Yxy	89.4511, 0.3051, 0.3280
Android (android.graphics.Color)	4293588470 (0xFFEAF5F6)
YUV	241.8250, 2.0583, -6.8625
Hunter-Lab	94.5786, -8.4525, 3.4735

# Details

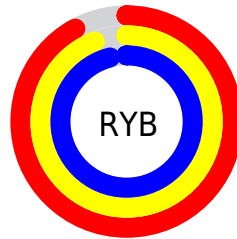
The XYZ color **83.2186, 89.4511, 100.0685** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.5658, 84.9490, 89.8882**, and the grayscale version is **84.2500, 88.6376, 96.5264**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8520, 49.5779, 55.8680** is the 20% darker color. If you saturate the color by 10%, you get **75.0828, 84.3475, 99.5136**, and if you desaturate by 10%, it is **91.1501, 94.4645, 100.6195**.

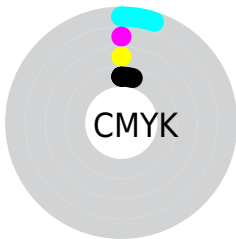
# Distribution



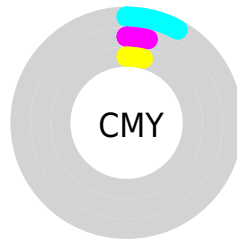
- Red (92%)
- Green (96%)
- Blue (96%)



- Red (92%)
- Yellow (94%)
- Blue (96%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (8%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2186, 89.4511, 100.0685 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 83.2186, 89.4511, 100.0685 by changing the saturation by 10% instead.



83.2186, 89.4511,  
100.0685

83.2186, 89.4511,  
100.0685

494.2877,  
526.2437, 581.6608

62.6880, 67.5255,  
75.7405

136.8085,  
146.5757, 163.3040

45.8466, 49.5118,  
55.7144

170.5986,  
182.5435, 203.0486

32.3289, 35.0256,  
39.5715

209.5392,  
223.9608, 248.7693

21.7696, 23.6826,  
26.8934

253.9957,  
271.2120, 300.8844

13.8033, 15.0984,  
17.2614

304.3334,  
324.6815, 359.8126

8.0648, 8.8884,  
10.2571

360.9178,

4.1886, 4.6685,

384.7537, 425.9723

5.4620

424.1141,  
451.8129, 499.7822

■ 1.8094, 2.0541,  
2.4573

■ 0.5233, 0.6386,  
0.8174

■ 83.2186, 89.4511,  
100.0685

■ 83.2186, 89.4511,  
100.0685

■ 75.0828, 84.3475,  
99.5136

■ 91.1501, 94.4645,  
100.6195

■ 68.0267, 79.8080,  
99.0093

■ 91.7781, 95.7205,  
100.8288

■ 62.0037, 75.8112,  
98.5553

■ 92.4130, 96.9902,  
101.0405

■ 56.9609, 72.3298,  
98.1491

■ 93.0547, 98.2737,  
101.2544

■ 52.8406, 69.3339,  
97.7880

■ 93.6348, 99.4339,  
101.4478

■ 49.5792, 66.7907,  
97.4690

■ 47.1047, 64.6631,  
97.1887

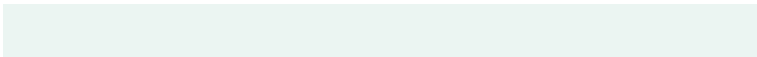
■ 45.3335, 62.9080,  
96.9433

■ 44.1629, 61.4723,  
96.7279

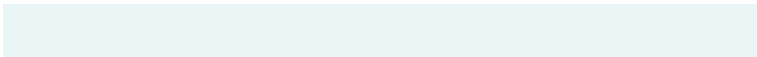
# Harmonies

## Analogous

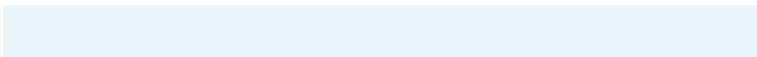
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0028, 89.4511, 97.0913



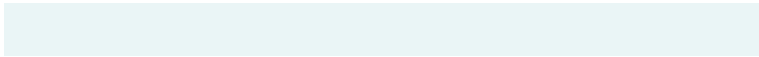
83.2186, 89.4511, 100.0685



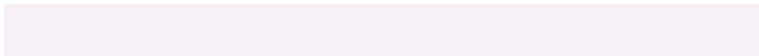
83.9159, 89.4511, 102.3709

# Triad

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



83.2186, 89.4511, 100.0685



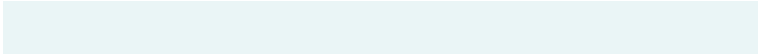
86.7400, 89.4511, 100.6093



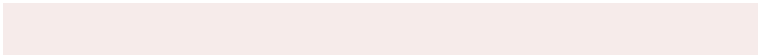
85.1275, 89.4511, 91.6874

# Complementary

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



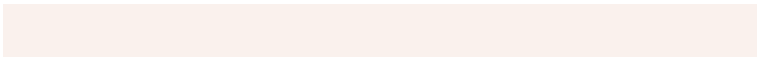
83.2186, 89.4511, 100.0685



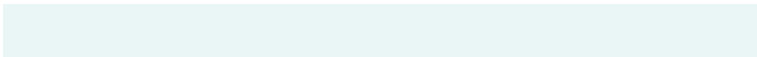
82.5658, 84.9490, 89.8882

# 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.



86.1349, 89.4511, 92.5869



83.2186, 89.4511, 100.0685



87.0708, 89.4511, 97.7035

# Square

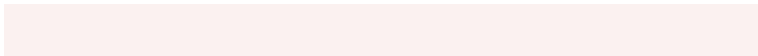
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2186, 89.4511, 100.0685



85.9483, 89.4511, 102.6877



86.8484, 89.4511, 94.7736

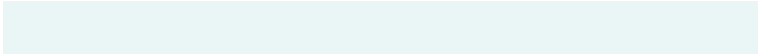


84.0995, 89.4511, 92.2913

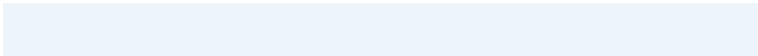


# Rectangle

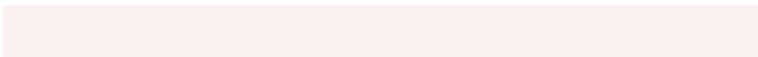
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2186, 89.4511, 100.0685



84.5630, 89.4511, 103.1917



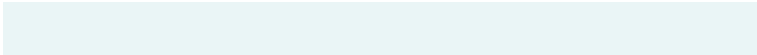
86.8484, 89.4511, 94.7736



85.4799, 89.4511, 91.8235

# Sweetspot

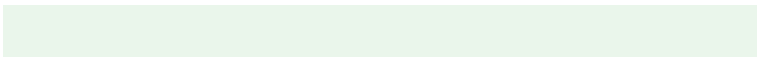
The Sweet Spot groups the original color and five complimentary colors.



83.2212, 89.4549, 100.0705



94.0506, 99.3846, 108.8339



81.8552, 89.3920, 91.3872



20.1412, 21.2789, 23.2956



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

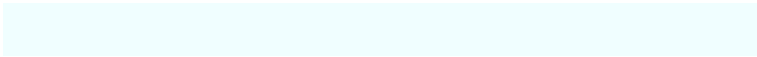


# Same Dimension

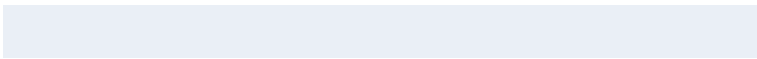
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2212, 89.4549, 100.0705



89.2396, 96.4052, 108.5124



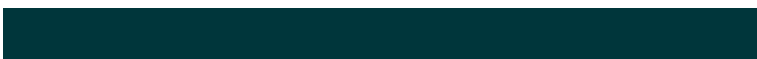
81.4926, 85.9977, 99.4943



17.3767, 18.8240, 21.2601



23.3852, 32.5641, 51.5910



2.0894, 2.9302, 4.5457



# Inverse Universe

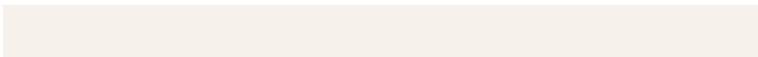
The Inverse Universe completely reimagines the original color for something new.



83.9122, 85.0326, 98.3811



90.1580, 90.5422, 106.2640



84.2548, 88.3270, 90.4512



17.5748, 17.5610, 20.7748



27.6083, 13.3867, 39.5070

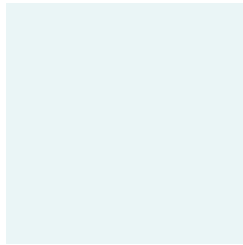


2.4437, 1.1834, 3.5629



# Previews

## White Background



This preview shows how the XYZ color 83.2186, 89.4511, 100.0685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

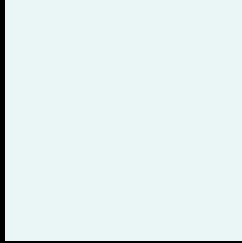
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2186, 89.4511, 100.0685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

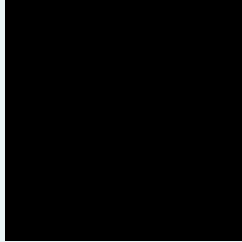
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

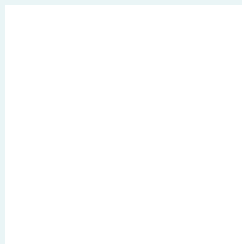
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.2186, 89.4511, 100.0685

## Background



This preview shows how black text looks on a background with the XYZ color 83.2186, 89.4511, 100.0685.



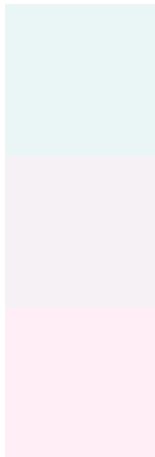
This preview shows how white text looks on a background with the XYZ color 83.2186, 89.4511,

100.0685.

# 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

83.2186, 89.4511, 100.0685

### Protanopia

85.7905, 89.0351, 98.2518

### Deuteranopia

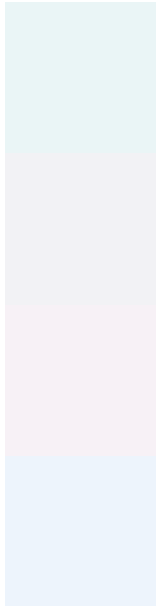
88.4491, 89.0629, 99.7179



## Tritanopia

85.6972, 89.6719, 107.3994

# Trichromacy



## Original Color

83.2186, 89.4511, 100.0685

## Protanomaly

84.8515, 88.9741, 99.0878

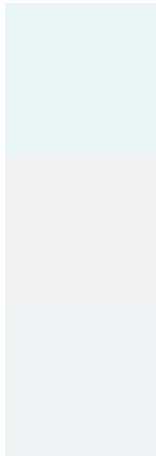
## Deuteranomaly

86.4476, 89.3386, 99.8766

## Tritanomaly

84.8464, 89.7342, 104.9440

# Monochromacy



## Original Color

83.2186, 89.4511, 100.0685

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.8249, 88.9230, 97.5398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2186, 89.4511, 100.0685 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(234, 245, 246) looks like.

```
.text, #text, p{  
    color:rgb(234, 245, 246)  
}
```

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(234, 245, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 245, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2186, 89.4511, 100.0685 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(234, 245, 246) }
```



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

```
.border{ border-color:rgb(234, 245, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 245, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 245, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 245, 246);  
box-shadow:4px 4px 4px 4px rgb(234, 245,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2186, 89.4511, 100.0685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 245, 246) }
```

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

```
.background{ background-color: rgb(234,  
245, 246) }
```

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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