

Converting Colors

XYZ(83.4166, 89.4451,
100.1093)

Have a look what the booklet for
XYZ(83.4166, 89.4451, 100.1093)
contains.

XYZ(83.5479, 89.6208, 100.0839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.5479, 89.6208,
100.0839)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF5F6
RGB	235, 245, 246
RGB Percent	92%, 96%, 96%
CMY	0.0784, 0.0392, 0.0353
CMYK	0.04, 0.00, 0.00, 0.04
HSL	185°, 38%, 94%
HSV	185°, 4%, 96%
XYZ	83.5479, 89.6208, 100.0839
YIQ	242.1240, -6.2810, -1.8090

Conversions

Conversions Part 2

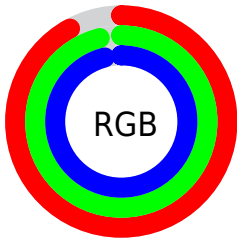
Format	Color
R _Y B	235, 240, 246
Decimal	15463926
CIE Lab	95.84, -3.10, -1.63
CIE LCh	96, 3.506, 207.779
Yxy	89.6208, 0.3058, 0.3280
Android (android.graphics.Color)	4293654006 (0xFFEBF5F6)
YUV	242.1240, 1.9109, -6.2477
Hunter-Lab	94.6683, -8.1373, 3.5860

Details

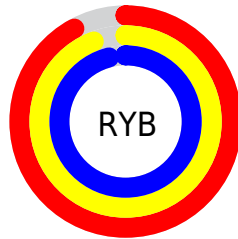
The XYZ color **83.5479, 89.6208, 100.0839** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9971, 85.5811, 90.7430**, and the grayscale version is **84.4873, 88.8873, 96.7982**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0823, 49.6966, 55.8788** is the 20% darker color. If you saturate the color by 10%, you get **75.3118, 84.3829, 99.5083**, and if you desaturate by 10%, it is **91.2070, 94.5782, 100.6385**.

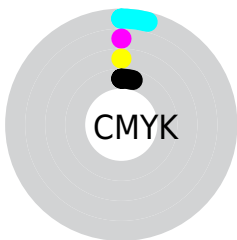
Distribution



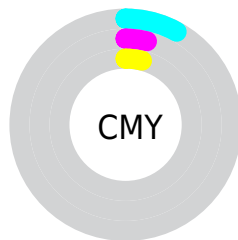
- Red (92%)
- Green (96%)
- Blue (96%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5479, 89.6208, 100.0839 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 83.5479, 89.6208, 100.0839 by changing the saturation by 10% instead.

83.5479, 89.6208,
100.0839

83.5479, 89.6208,
100.0839

495.3671,
526.7966, 581.7106

62.9607, 67.6662,
75.7533

137.2671,
146.8116, 163.3254

46.0679, 49.6262,
55.7248

171.1298,
182.8165, 203.0733

32.5043, 35.1165,
39.5798

210.1484,
224.2736, 248.7975

21.9044, 23.7526,
26.8998

254.6883,
271.5674, 300.9165

13.9029, 15.1502,
17.2662

305.1147,
325.0822, 359.8487

8.1344, 8.9249,
10.2605

361.7931,

4.2336, 4.6922,

385.2024, 426.0128

5.4642

425.0887,
452.3124, 499.8272

■ 1.8351, 2.0678,
2.4586

■ 0.5387, 0.6464,
0.8181

■ 83.5479, 89.6208,
100.0839

■ 83.5479, 89.6208,
100.0839

■ 75.3118, 84.3829,
99.5083

■ 91.2070, 94.5782,
100.6385

■ 68.1586, 79.7128,
98.9839

■ 91.8932, 95.9506,
100.8672

■ 62.0419, 75.5890,
98.5103

■ 92.5875, 97.3394,
101.0987

■ 56.9088, 71.9842,
98.0851

■ 93.2901, 98.7445,
101.3328

■ 52.7020, 68.8688,
97.7055

■ 93.6348, 99.4339,
101.4478

■ 49.3580, 66.2100,
97.3685

■ 46.8054, 63.9709,
97.0709

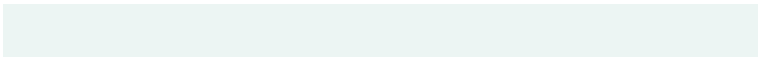
■ 44.9610, 62.1087,
96.8087

■ 43.7232, 60.5710,
96.5771

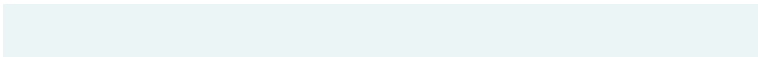
Harmonies

Analogous

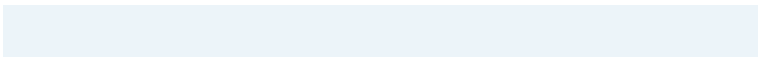
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3380, 89.6208, 97.3756



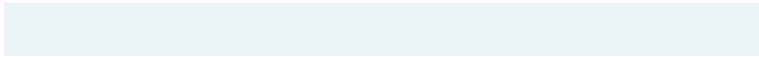
83.5479, 89.6208, 100.0839



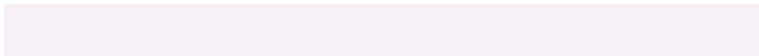
84.1947, 89.6208, 102.1550

Triad

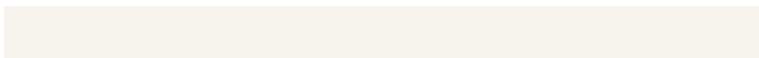
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5479, 89.6208, 100.0839



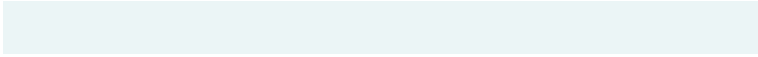
86.7641, 89.6208, 100.4478



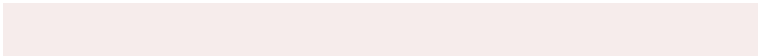
85.2539, 89.6208, 92.3585

Complementary

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



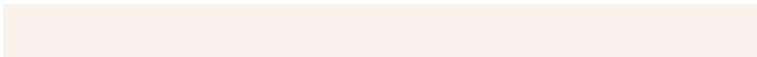
83.5479, 89.6208, 100.0839



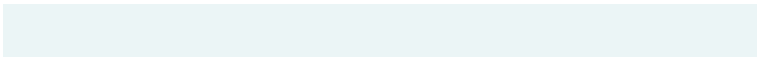
82.9971, 85.5811, 90.7430

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.



86.1768, 89.6208, 93.1472



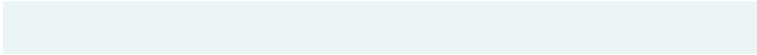
83.5479, 89.6208, 100.0839



87.0528, 89.6208, 97.7883

Square

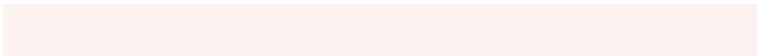
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5479, 89.6208, 100.0839



86.0511, 89.6208, 102.3678



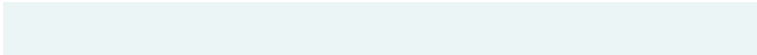
86.8370, 89.6208, 95.1218



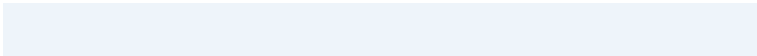
84.3185, 89.6208, 92.9473

Rectangle

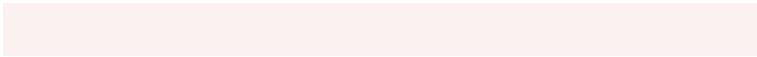
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5479, 89.6208, 100.0839



84.7890, 89.6208, 102.8775



86.8370, 89.6208, 95.1218



85.5760, 89.6208, 92.4710

Sweetspot

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



83.5505, 89.6246, 100.0859



94.0444, 99.3723, 108.8318



82.3463, 89.6264, 92.2543



20.1400, 21.2764, 23.2952



0.0000, 0.0000, 0.0000



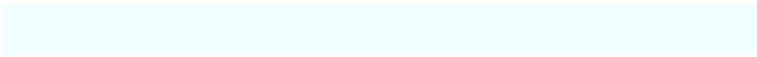
20.3446, 21.4041, 23.3091

Same Dimension

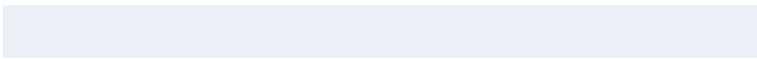
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5505, 89.6246, 100.0859



90.1466, 96.9271, 108.5653



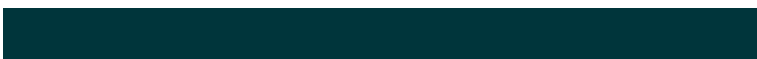
81.9344, 86.3925, 99.5472



17.5423, 18.9178, 21.2695



23.1214, 32.0366, 51.5031



2.0690, 2.8894, 4.5389

Inverse Universe

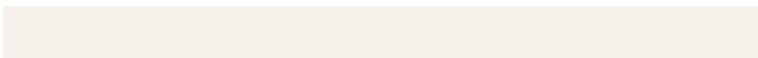
The Inverse Universe completely reimagines the original color for something new.



84.1978, 85.6037, 98.4762



90.9312, 92.0590, 106.6128



84.5816, 88.7500, 91.2711



17.7164, 17.8397, 20.8360



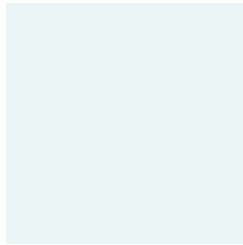
27.4751, 13.3335, 38.8060



2.4334, 1.1793, 3.5086

Previews

White Background



This preview shows how the XYZ color 83.5479, 89.6208, 100.0839 looks on a white background.

Color Contrast Check

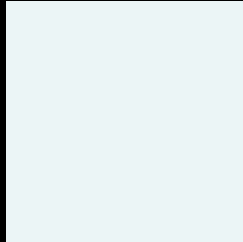
Large Text (above 18pt) WCAG AA × Fail

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 83.5479, 89.6208, 100.0839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

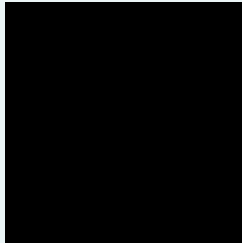
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

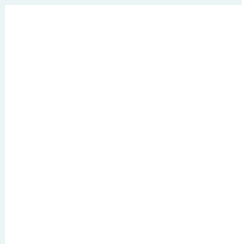
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5479, 89.6208, 100.0839

Background



This preview shows how black text looks on a background with the XYZ color 83.5479, 89.6208, 100.0839.



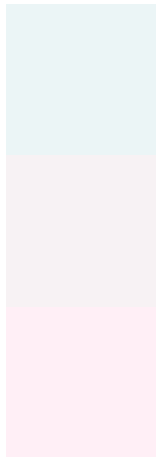
This preview shows how white text looks on a background with the XYZ color 83.5479, 89.6208,

100.0839.

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

83.5479, 89.6208, 100.0839

Protanopia

86.4390, 89.8101, 98.3672

Deuteranopia

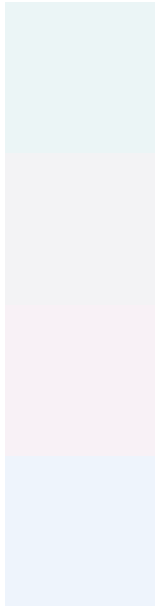
88.7411, 89.6468, 99.8152



Tritanopia

86.0358, 89.8464, 107.4153

Trichromacy



Original Color

83.5479, 89.6208, 100.0839

Protanomaly

85.4942, 89.7484, 99.2034

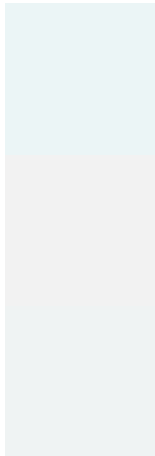
Deuteranomaly

86.8012, 89.5209, 99.8931

Tritanomaly

85.1813, 89.9068, 104.9597

Monochromacy



Original Color

83.5479, 89.6208, 100.0839

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 83.5479, 89.6208, 100.0839 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(235, 245, 246)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 245, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 245, 246) }
```

Border

The CSS property to change the border of an element to XYZ 83.5479, 89.6208, 100.0839 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(235, 245, 246) }
```


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

```
.border{ border-color:rgb(235, 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(235, 245, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 245, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 245, 246);  
box-shadow:4px 4px 4px 4px rgb(235, 245,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5479, 89.6208, 100.0839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 245, 246) }
```

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

```
.background{ background-color: rgb(235,  
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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