

Converting Colors

XYZ(83.3146, 90.3500,
102.6707)

Have a look what the booklet for
XYZ(83.3146, 90.3500, 102.6707)
contains.

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Color

**XYZ(83.3146, 90.3500,
102.6707)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F7F9
RGB	231, 247, 249
RGB Percent	91%, 97%, 98%
CMY	0.0941, 0.0314, 0.0235
CMYK	0.07, 0.01, 0.00, 0.02
HSL	187°, 60%, 94%
HSV	187°, 7%, 98%
XYZ	83.3146, 90.3500, 102.6707
YIQ	242.4440, -10.1780, -2.7700

Conversions

Conversions Part 2

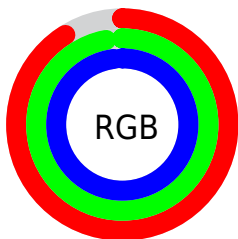
Format	Color
R _{YB}	231, 239, 249
Decimal	15202297
CIE Lab	96.14, -4.85, -2.77
CIE LCh	96, 5.589, 209.753
Yxy	90.3500, 0.3015, 0.3270
Android (android.graphics.Color)	4293392377 (0xFFE7F7F9)
YUV	242.4440, 3.2321, -10.0364
Hunter-Lab	95.0526, -9.8850, 2.4950

Details

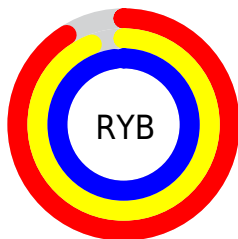
The XYZ color **83.3146, 90.3500, 102.6707** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6299, 84.1863, 87.4971**, and the grayscale version is **84.7329, 89.1456, 97.0796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9356, 50.2258, 57.7256** is the 20% darker color. If you saturate the color by 10%, you get **75.0052, 84.8244, 102.0435**, and if you desaturate by 10%, it is **92.4524, 96.3261, 103.3440**.

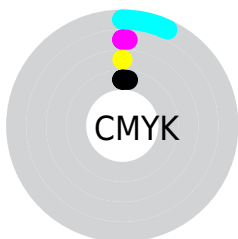
Distribution



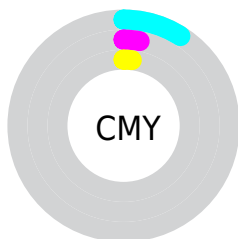
- Red (91%)
- Green (97%)
- Blue (98%)



- Red (91%)
- Yellow (94%)
- Blue (98%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3146, 90.3500, 102.6707 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 83.3146, 90.3500, 102.6707 by changing the saturation by 10% instead.

83.3146, 90.3500,
102.6707

83.3146, 90.3500,
102.6707

494.6025,
529.1687, 590.0413

62.7675, 68.2710,
77.9035

136.9422,
147.8245, 166.9063

45.9111, 50.1182,
57.4788

170.7535,
183.9887, 207.2118

32.3800, 35.5073,
40.9778

209.7168,
225.6168, 253.5339

21.8089, 24.0539,
27.9822

254.1976,
273.0931, 306.2911

13.8323, 15.3736,
18.0733

304.5612,
326.8020, 365.9019

8.0851, 9.0820,
10.8326

361.1730,

4.2017, 4.7947,

387.1280, 432.7848

5.8417

424.3983,
454.4555, 507.3584

■ 1.8169, 2.1273,
2.6818

■ 0.5278, 0.6799,
0.9343

■ 83.3146, 90.3500,
102.6707

■ 83.3146, 90.3500,
102.6707

■ 75.0052, 84.8244,
102.0435

■ 92.4524, 96.3261,
103.3440

■ 67.8009, 79.8846,
101.4697

■ 93.3157, 98.0528,
103.6318

■ 61.6528, 75.5077,
100.9489

■ 94.0992, 99.6197,
103.8929

■ 56.5054, 71.6649,
100.4785

■ 52.2979, 68.3250,
100.0556

■ 48.9629, 65.4530,
99.6770

■ 46.4238, 63.0094,
99.3392

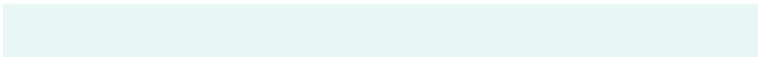
■ 44.5907, 60.9477,
99.0379

■ 43.3475, 59.2081,
98.7676

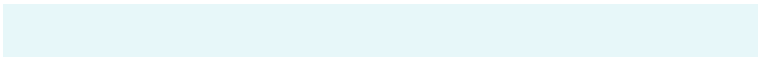
Harmonies

Analogous

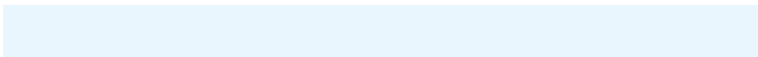
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9304, 90.3500, 98.3390



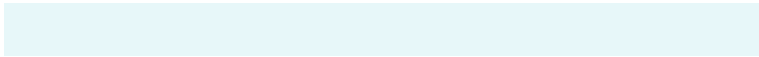
83.3146, 90.3500, 102.6707



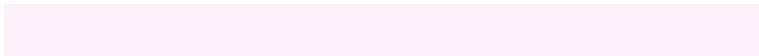
84.3831, 90.3500, 105.9314

Triad

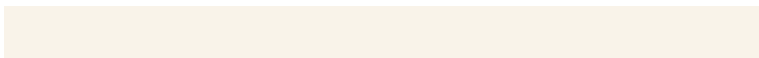
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3146, 90.3500, 102.6707



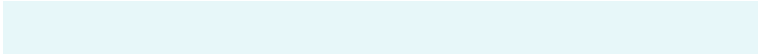
88.4742, 90.3500, 102.7362



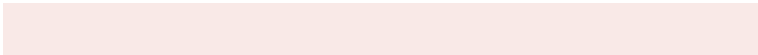
85.8878, 90.3500, 90.0886

Complementary

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



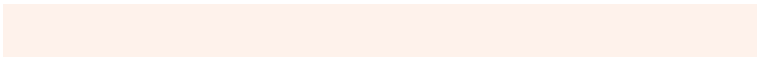
83.3146, 90.3500, 102.6707



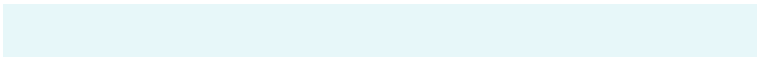
82.6299, 84.1863, 87.4971

Split Complementary

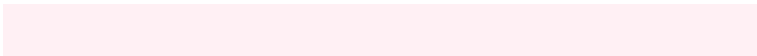
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3843, 90.3500, 91.1883



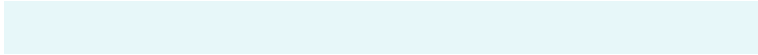
83.3146, 90.3500, 102.6707



88.8885, 90.3500, 98.4125

Square

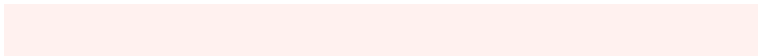
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3146, 90.3500, 102.6707



87.3618, 90.3500, 105.9700



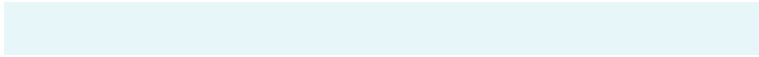
88.4873, 90.3500, 94.2024



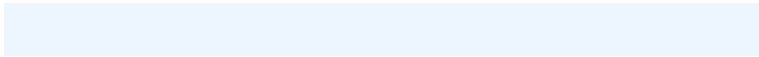
84.4051, 90.3500, 91.1533

Rectangle

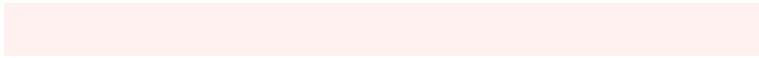
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3146, 90.3500, 102.6707



85.3461, 90.3500, 107.0123



88.4873, 90.3500, 94.2024



86.4060, 90.3500, 90.2169

Sweetspot

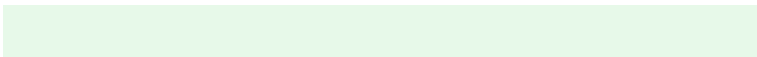
The Sweet Spot groups the original color and five complimentary colors.



83.3172, 90.3538, 102.6727



93.0183, 98.6852, 108.7533



81.5115, 90.6135, 90.1365



19.9310, 21.1365, 23.2792



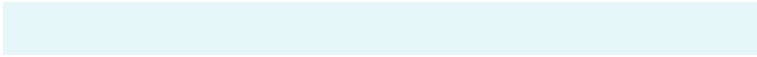
0.0000, 0.0000, 0.0000



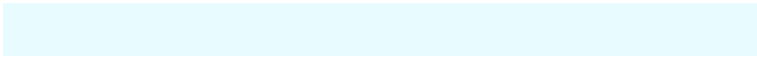
20.3446, 21.4041, 23.3091

Same Dimension

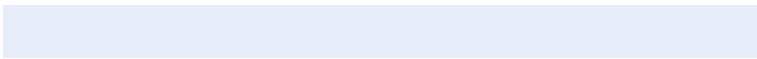
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3172, 90.3538, 102.6727



86.2984, 94.2910, 108.2593



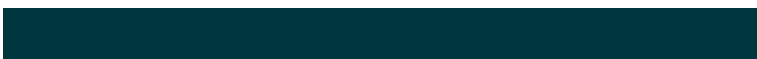
80.6880, 85.0955, 101.7963



17.5918, 19.2604, 22.1757



23.1136, 31.5828, 52.8514



2.1862, 3.0160, 4.9101

Inverse Universe

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



84.4333, 84.0086, 99.7654



87.7536, 86.0585, 104.4597



85.1847, 89.2960, 88.3487



17.9052, 17.4895, 21.3567



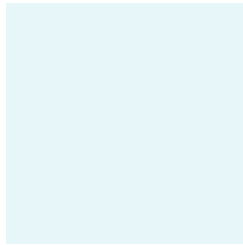
27.9587, 13.5992, 38.0866



2.6124, 1.2687, 3.6483

Previews

White Background



This preview shows how the XYZ color 83.3146, 90.3500, 102.6707 looks on a white background.

Color Contrast Check

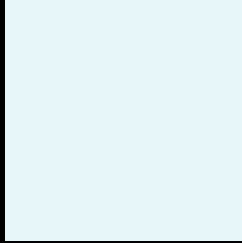
Large Text (above 18pt) WCAG AA × Fail

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 83.3146, 90.3500, 102.6707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

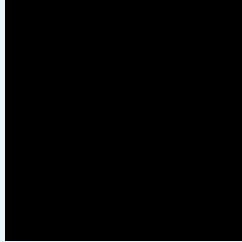
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

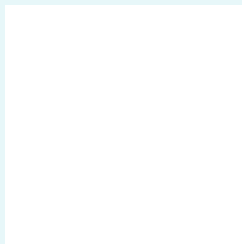
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3146, 90.3500, 102.6707

Background



This preview shows how black text looks on a background with the XYZ color 83.3146, 90.3500, 102.6707.



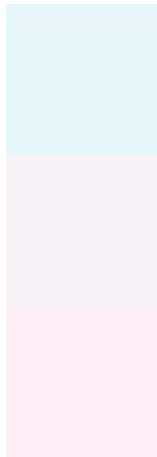
This preview shows how white text looks on a background with the XYZ color 83.3146, 90.3500,

102.6707.

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

83.3146, 90.3500, 102.6707

Protanopia

86.7445, 89.9322, 99.9755

Deuteranopia

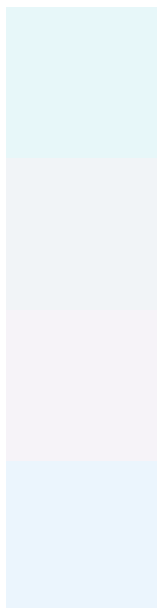
89.3434, 90.3575, 101.5388



Tritanopia

85.6606, 90.0985, 107.4837

Trichromacy



Original Color

83.3146, 90.3500, 102.6707

Protanomaly

85.4148, 90.1175, 100.8883

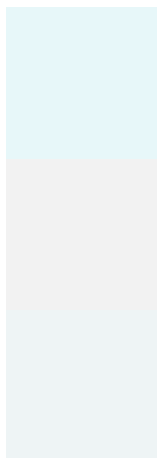
Deuteranomaly

86.9999, 90.4713, 101.6843

Tritanomaly

84.6430, 90.0588, 105.8504

Monochromacy



Original Color

83.3146, 90.3500, 102.6707

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.0920, 89.4711, 99.2237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3146, 90.3500, 102.6707 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(231, 247, 249)` looks like.

```
.text, #text, p{  
    color:rgb(231, 247, 249)  
}
```

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(231, 247, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 247, 249) }
```

Border

The CSS property to change the border of an element to XYZ 83.3146, 90.3500, 102.6707 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(231, 247, 249) }
```


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

```
.border{ border-color:rgb(231, 247, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 247, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 247, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 247, 249);  
box-shadow:4px 4px 4px 4px rgb(231, 247,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3146, 90.3500, 102.6707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 247, 249) }
```

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

```
.background{ background-color: rgb(231,  
247, 249) }
```

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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