

Converting Colors

XYZ(83.7156, 93.0977,
106.2000)

Have a look what the booklet for
XYZ(83.7156, 93.0977, 106.2000)
contains.

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Color

**XYZ(83.9062, 93.3500,
106.5245)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FDFD
RGB	225, 253, 253
RGB Percent	88%, 99%, 99%
CMY	0.1176, 0.0078, 0.0078
CMYK	0.11, 0.00, 0.00, 0.01
HSL	180°, 88%, 94%
HSV	180°, 11%, 99%
XYZ	83.9062, 93.3500, 106.5245
YIQ	244.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

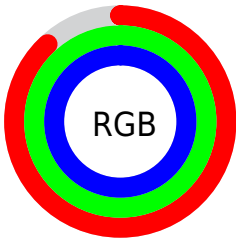
Format	Color
R_{YB}	225, 239, 253
Decimal	14810621
CIE _{Lab}	97.37, -9.01, -3.08
CIE _{LCh}	97, 9.526, 198.869
Yxy	93.3500, 0.2957, 0.3290
Android (android.graphics.Color)	4293000701 (0xFFE1FDFD)
YUV	244.6280, 4.1274, -17.2138
Hunter-Lab	96.6178, -14.0657, 2.2632

Details

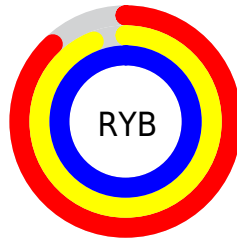
The XYZ color **83.9062, 93.3500, 106.5245** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.0272, 80.1717, 82.4424**, and the grayscale version is **86.4720, 90.9752, 99.0720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2813, 52.0114, 59.8245** is the 20% darker color. If you saturate the color by 10%, you get **76.5961, 89.5841, 106.1814**, and if you desaturate by 10%, it is **92.3903, 97.7262, 106.9264**.

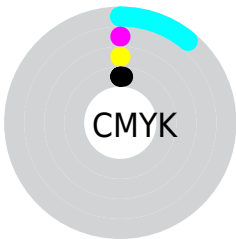
Distribution



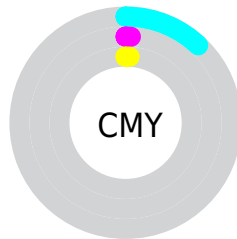
- Red (88%)
- Green (99%)
- Blue (99%)



- Red (88%)
- Yellow (94%)
- Blue (99%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (12%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9062, 93.3500, 106.5245 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 83.9062, 93.3500, 106.5245 by changing the saturation by 10% instead.


 83.9062, 93.3500,
106.5245

 83.9062, 93.3500,
106.5245


496.5401,
538.8691, 602.3388

 63.2574, 70.7624,
81.1133


137.7659,
151.9831, 172.2246

 46.3089, 52.1484,
60.1034

171.7075,
188.7974, 213.3507

 32.6953, 37.1233,
43.0761


210.8109,
231.1228, 260.5521

 22.0513, 25.3030,
29.6130

255.4412,
279.3436, 314.2474

 14.0114, 16.3029,
19.2955

305.9640,
333.8442, 374.8552

 8.2103, 9.7388,
11.7050

362.7444,

 4.2828, 5.2261,

395.0091, 442.7940

6.4231

426.1480,
463.2226, 518.4824

■ 1.8633, 2.3805,
3.0311

■ 0.5554, 0.8158,
1.1105

■ 83.9062, 93.3500,
106.5245

■ 83.9062, 93.3500,
106.5245

■ 76.5961, 89.5841,
106.1814

■ 92.3903, 97.7262,
106.9264

■ 70.4008, 86.3904,
105.8886

■ 94.0980, 98.6065,
107.0092

■ 65.2680, 83.7444,
105.6455

■ 94.0986, 98.6067,
107.0121

■ 61.1380, 81.6153,
105.4493

■ 94.0992, 98.6069,
107.0151

■ 57.9452, 79.9695, 94.0997, 98.6072,
105.2970 107.0180

■ 55.6163, 78.7689, 94.1003, 98.6074,
105.1851 107.0209

■ 54.0672, 77.9704, 94.1008, 98.6076,
105.1097 107.0239

■ 53.1967, 77.5217, 94.1014, 98.6078,
105.0661 107.0268

■ 52.8520, 77.3441, 94.1019, 98.6080,
105.0473 107.0297

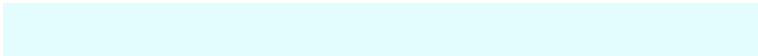
Harmonies

Analogous

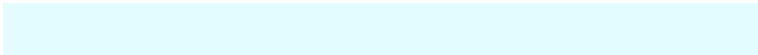
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7317, 93.3500, 98.8002



83.9062, 93.3500, 106.5245



85.3567, 93.3500, 113.2516

Triad

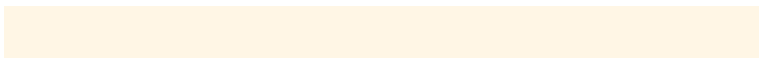
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9062, 93.3500, 106.5245



92.6925, 93.3500, 111.7344



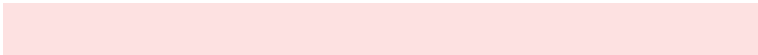
89.7319, 93.3500, 87.7470

Complementary

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



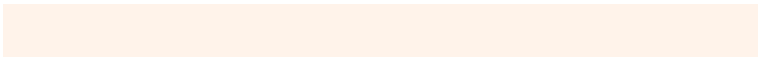
83.9062, 93.3500, 106.5245



81.0272, 80.1717, 82.4424

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.



92.1836, 93.3500, 90.8547



83.9062, 93.3500, 106.5245



93.9158, 93.3500, 104.5384

Square

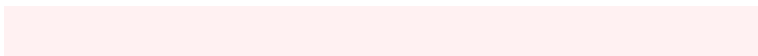
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



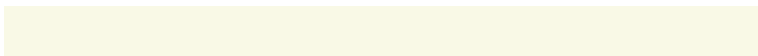
83.9062, 93.3500, 106.5245



90.4151, 93.3500, 116.3632



93.7277, 93.3500, 96.9116



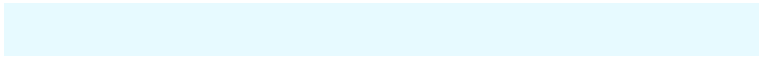
87.0588, 93.3500, 88.2184

Rectangle

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



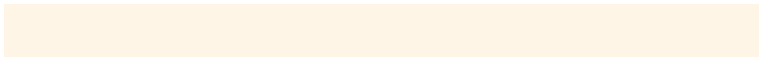
83.9062, 93.3500, 106.5245



86.8688, 93.3500, 116.1437



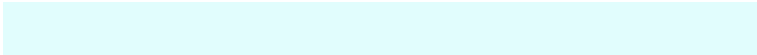
93.7277, 93.3500, 96.9116



90.6102, 93.3500, 88.4011

Sweetspot

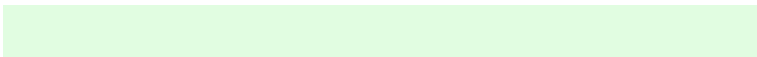
The Sweet Spot groups the original color and five complimentary colors.



83.9089, 93.3539, 106.5266



92.2912, 98.5778, 108.7700



79.9156, 91.7734, 84.7376



19.6003, 21.0204, 23.2740



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

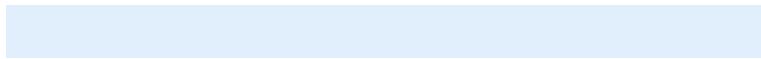
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9089, 93.3539, 106.5266



83.8875, 94.2456, 108.3738



79.7869, 85.1089, 105.1556



18.5548, 20.4815, 23.2247



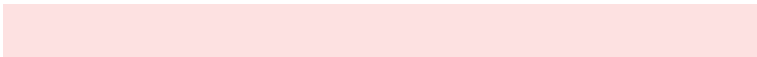
28.1140, 41.1422, 55.8788



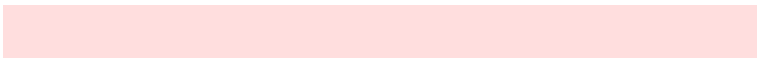
2.7374, 4.0059, 5.4409

Inverse Universe

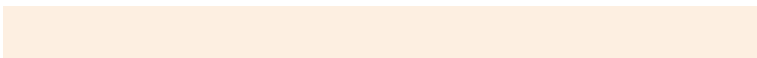
The Inverse Universe completely reimagines the original color for something new.



81.0272, 80.1717, 82.4424



80.4868, 78.6890, 79.9515



84.8320, 87.7823, 83.7081



18.0096, 17.9871, 18.6675



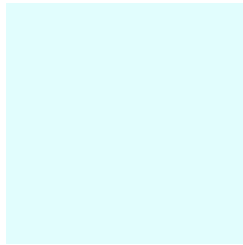
21.5489, 11.1089, 1.0092



2.0982, 1.0816, 0.0984

Previews

White Background



This preview shows how the XYZ color 83.9062, 93.3500, 106.5245 looks on a white background.

Color Contrast Check

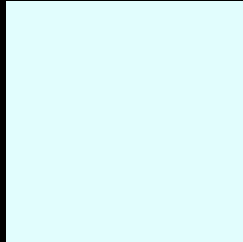
Large Text (above 18pt) WCAG AA × Fail

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 83.9062, 93.3500, 106.5245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

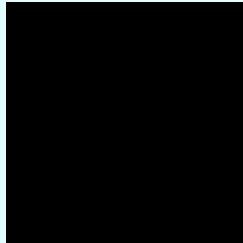
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9062, 93.3500, 106.5245

Background



This preview shows how black text looks on a background with the XYZ color 83.9062, 93.3500, 106.5245.



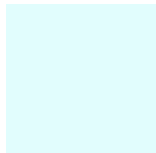
This preview shows how white text looks on a background with the XYZ color 83.9062, 93.3500,

106.5245.

Color Blindness Simulation

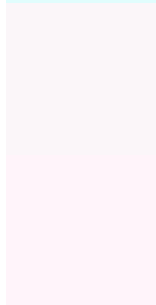
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.9062, 93.3500, 106.5245



Protanopia

89.8383, 93.2603, 102.8886

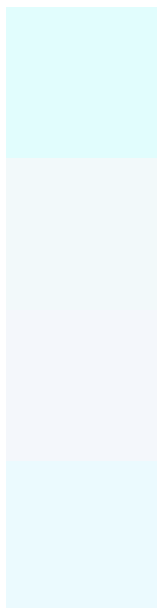
Deuteranopia

90.8460, 92.8635, 103.5788

Tritanopia

87.8930, 93.0556, 107.9368

Trichromacy



Original Color

83.9062, 93.3500, 106.5245

Protanomaly

87.7490, 93.5307, 103.8709

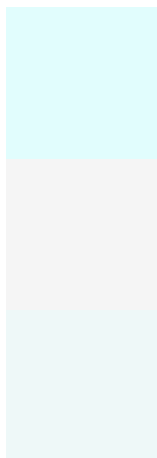
Deuteranomaly

87.9816, 92.7197, 104.5263

Tritanomaly

86.3359, 93.1891, 107.2028

Monochromacy



Original Color

83.9062, 93.3500, 106.5245

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.7706, 92.0893, 102.0613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9062, 93.3500, 106.5245 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(225, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(225, 253, 253)  
}
```

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(225, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 253, 253) }
```

Border

The CSS property to change the border of an element to XYZ 83.9062, 93.3500, 106.5245 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(225, 253, 253) }
```


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

```
.border{ border-color:rgb(225, 253, 253) }
```

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

Here you see how a box with a 4 pixel rgb(225, 253, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(225, 253,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9062, 93.3500, 106.5245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 253, 253) }
```

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

```
.background{ background-color: rgb(225,  
253, 253) }
```

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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