

Converting Colors

XYZ(83.8779, 91.2916,
104.0204)

Have a look what the booklet for
XYZ(83.8779, 91.2916, 104.0204)
contains.

XYZ(83.7777, 91.0259, 103.5967)	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(83.7777, 91.0259,
103.5967)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F8FA
RGB	231, 248, 250
RGB Percent	91%, 97%, 98%
CMY	0.0941, 0.0274, 0.0196
CMYK	0.08, 0.01, 0.00, 0.02
HSL	186°, 66%, 94%
HSV	186°, 8%, 98%
XYZ	83.7777, 91.0259, 103.5967
YIQ	243.1450, -10.7740, -2.9820

Conversions

Conversions Part 2

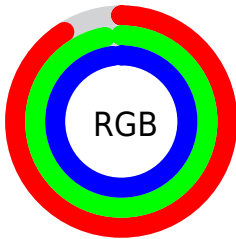
Format	Color
R _{YB}	231, 240, 250
Decimal	15202554
CIE Lab	96.42, -5.17, -2.88
CIE LCh	96, 5.918, 209.127
Yxy	91.0259, 0.3009, 0.3270
Android (android.graphics.Color)	4293392634 (0xFFE7F8FA)
YUV	243.1450, 3.3795, -10.6512
Hunter-Lab	95.4075, -10.2216, 2.4061

Details

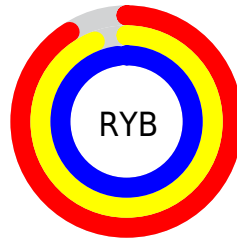
The XYZ color **83.7777, 91.0259, 103.5967** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9873, 84.3706, 87.5139**, and the grayscale version is **85.2891, 89.7308, 97.7168**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2664, 50.7083, 58.3881** is the 20% darker color. If you saturate the color by 10%, you get **75.4769, 85.5588, 102.9803**, and if you desaturate by 10%, it is **92.8780, 96.9270, 104.2575**.

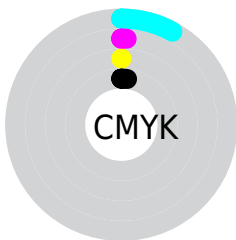
Distribution



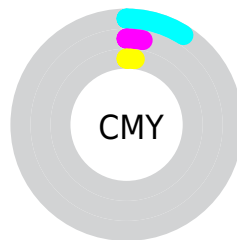
- Red (91%)
- Green (97%)
- Blue (98%)



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



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7777, 91.0259, 103.5967 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 83.7777, 91.0259, 103.5967 by changing the saturation by 10% instead.

83.7777, 91.0259,
103.5967

83.7777, 91.0259,
103.5967

496.1196,
531.3624, 593.0084

63.1510, 68.8318,
78.6741

137.5870,
148.7626, 168.1860

46.2225, 50.5748,
58.1082

171.5004,
185.0740, 208.6898

32.6268, 35.8703,
41.4803

210.5734,
226.8600, 255.2244

21.9986, 24.3340,
28.3721

255.1713,
274.5050, 308.2083

13.9724, 15.5816,
18.3648

305.6595,
328.3933, 368.0601

8.1831, 9.2286,
11.0401

362.4034,

4.2651, 4.8906,

388.9094, 435.1984

5.9793

425.7683,
456.4376, 510.0416

■ 1.8532, 2.1832,
2.7639

■ 0.5494, 0.7108,
0.9754

■ 83.7777, 91.0259,
103.5967

■ 83.7777, 91.0259,
103.5967

■ 75.4769, 85.5588,
102.9803

■ 92.8780, 96.9270,
104.2575

■ 68.2886, 80.6795,
102.4174

■ 93.7026, 98.5762,
104.5324

■ 62.1634, 76.3648,
101.9074

■ 94.2556, 99.6822,
104.7167

■ 57.0449, 72.5858,
101.4478

■ 52.8716, 69.3106,
101.0356

■ 49.5752, 66.5039,
100.6676

■ 47.0778, 64.1256,
100.3401

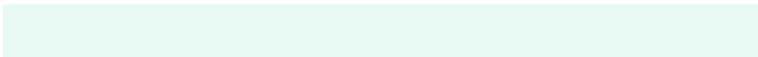
■ 45.2881, 62.1284,
100.0490

■ 44.0852, 60.4500,
99.7884

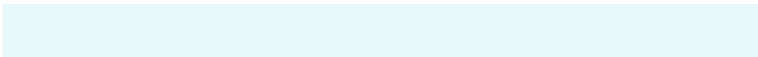
Harmonies

Analogous

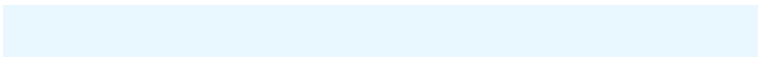
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3863, 91.0259, 98.9735



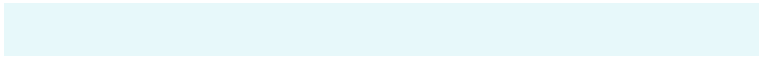
83.7777, 91.0259, 103.5967



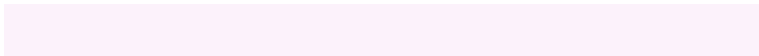
84.9009, 91.0259, 107.1099

Triad

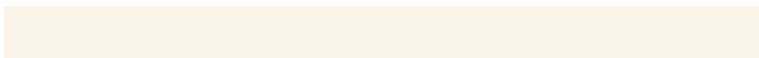
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7777, 91.0259, 103.5967



89.2668, 91.0259, 103.8437



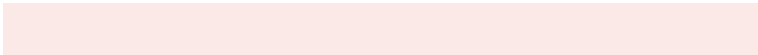
86.5657, 91.0259, 90.3085

Complementary

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



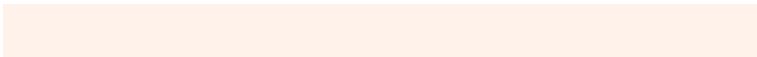
83.7777, 91.0259, 103.5967



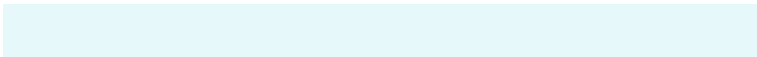
82.9873, 84.3706, 87.5139

Split Complementary

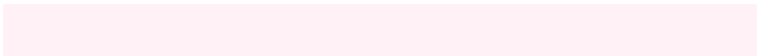
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1542, 91.0259, 91.5219



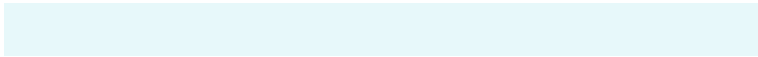
83.7777, 91.0259, 103.5967



89.7259, 91.0259, 99.2501

Square

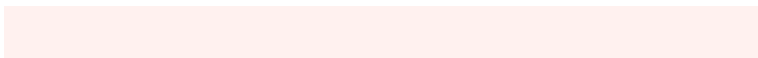
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7777, 91.0259, 103.5967



88.0696, 91.0259, 107.2557



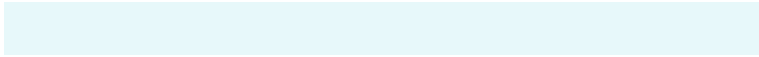
89.3162, 91.0259, 94.7581



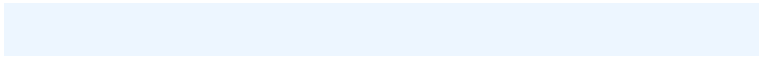
84.9836, 91.0259, 91.3908

Rectangle

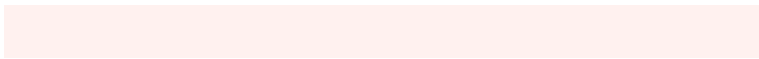
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



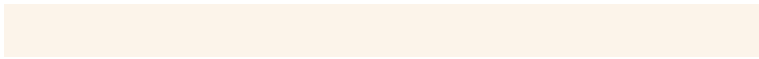
83.7777, 91.0259, 103.5967



85.9208, 91.0259, 108.2974



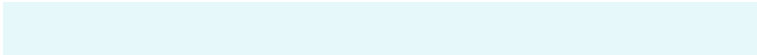
89.3162, 91.0259, 94.7581



87.1167, 91.0259, 90.4608

Sweetspot

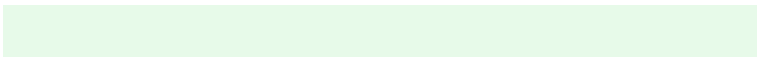
The Sweet Spot groups the original color and five complimentary colors.



83.7803, 91.0297, 103.5987



93.0278, 98.7041, 108.7565



81.8357, 91.2391, 90.3150



19.9330, 21.1404, 23.2799



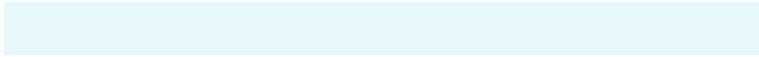
0.0000, 0.0000, 0.0000



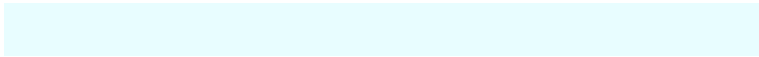
20.3446, 21.4041, 23.3091

Same Dimension

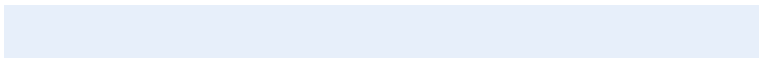
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7803, 91.0297, 103.5987



86.3406, 94.3755, 108.2734



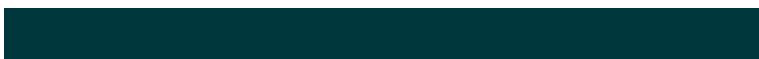
80.9612, 85.3915, 102.6590



17.6009, 19.2786, 22.1788



23.3176, 31.9908, 52.9194



2.2030, 3.0497, 4.9157

Inverse Universe

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



84.9455, 84.2548, 100.5972



87.7749, 86.0671, 104.5719



85.7209, 89.8376, 88.4251



17.9098, 17.4913, 21.3810



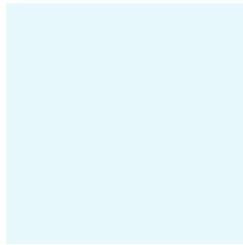
28.0617, 13.6404, 38.6288



2.6209, 1.2721, 3.6931

Previews

White Background



This preview shows how the XYZ color 83.7777, 91.0259, 103.5967 looks on a white background.

Color Contrast Check

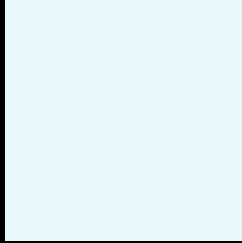
Large Text (above 18pt) WCAG AA × Fail

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 83.7777, 91.0259, 103.5967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

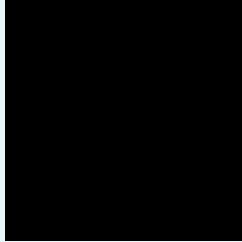
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7777, 91.0259, 103.5967

Background



This preview shows how black text looks on a background with the XYZ color 83.7777, 91.0259, 103.5967.

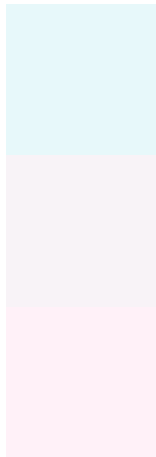


This preview shows how white text looks on a background with the XYZ color 83.7777, 91.0259,

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

83.7777, 91.0259, 103.5967

Protanopia

87.5505, 90.7730, 100.9022

Deuteranopia

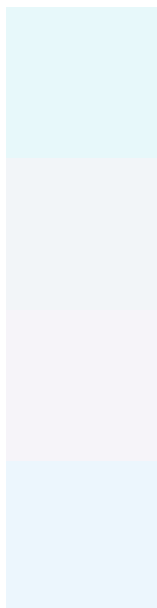
89.6386, 90.9479, 101.6372



Tritanopia

86.2990, 90.8755, 107.6000

Trichromacy



Original Color

83.7777, 91.0259, 103.5967

Protanomaly

86.2136, 90.9594, 101.8199

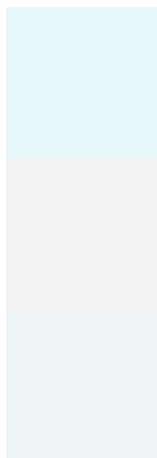
Deuteranomaly

87.4556, 91.1338, 102.6037

Tritanomaly

85.2775, 90.8363, 105.9671

Monochromacy



Original Color

83.7777, 91.0259, 103.5967

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.8836, 90.3094, 100.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7777, 91.0259, 103.5967 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, 248, 250)` looks like.

```
.text, #text, p{  
    color:rgb(231, 248, 250)  
}
```

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, 248, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 248, 250) }
```

Border

The CSS property to change the border of an element to XYZ 83.7777, 91.0259, 103.5967 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, 248, 250) }
```


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

```
.border{ border-color:rgb(231, 248, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 248, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 248, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 248, 250);  
box-shadow:4px 4px 4px 4px rgb(231, 248,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7777, 91.0259, 103.5967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 248, 250) }
```

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

```
.background{ background-color: rgb(231,  
248, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor