

Converting Colors

XYZ(83.6521, 92.0772,
103.6367)

Have a look what the booklet for
XYZ(83.6521, 92.0772, 103.6367)
contains.

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Color

**XYZ(83.4358, 91.7673,
103.7578)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FAFA
RGB	228, 250, 250
RGB Percent	89%, 98%, 98%
CMY	0.1059, 0.0196, 0.0196
CMYK	0.09, 0.00, 0.00, 0.02
HSL	180°, 69%, 94%
HSV	180°, 9%, 98%
XYZ	83.4358, 91.7673, 103.7578
YIQ	243.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

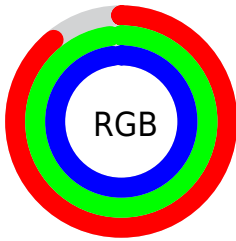
Format	Color
R_{YB}	228, 239, 250
Decimal	15006458
CIE _{Lab}	96.73, -7.13, -2.46
CIE _{LCh}	97, 7.546, 199.007
Yxy	91.7673, 0.2991, 0.3290
Android (android.graphics.Color)	4293196538 (0xFFE4FAFA)
YUV	243.4220, 3.2430, -13.5251
Hunter-Lab	95.7953, -12.1717, 2.8385

Details

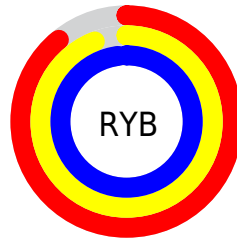
The XYZ color **83.4358, 91.7673, 103.7578** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.1746, 81.4146, 84.8392**, and the grayscale version is **85.5121, 89.9654, 97.9723**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0426, 51.2493, 58.5043** is the 20% darker color. If you saturate the color by 10%, you get **76.0712, 87.9733, 103.4116**, and if you desaturate by 10%, it is **91.9525, 96.1602, 104.1618**.

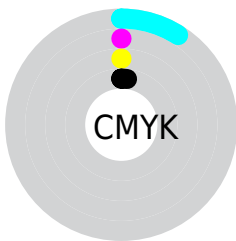
Distribution



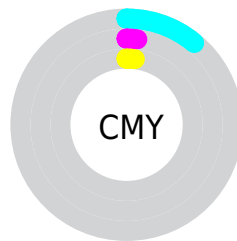
- Red (89%)
- Green (98%)
- Blue (98%)



- Red (89%)
- Yellow (94%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4358, 91.7673, 103.7578 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 83.4358, 91.7673, 103.7578 by changing the saturation by 10% instead.

83.4358, 91.7673,
103.7578

83.4358, 91.7673,
103.7578

494.9998,
533.7632, 593.5238

62.8679, 69.4474,
78.8082

137.1110,
149.7908, 168.4085

45.9926, 51.0761,
58.2178

170.9490,
186.2632, 208.9467

32.4446, 36.2692,
41.5679

209.9411,
228.2219, 255.5182

21.8585, 24.6422,
28.4400

254.4526,
276.0512, 308.5415

13.8690, 15.8107,
18.4157

304.8488,
330.1356, 368.4352

8.1107, 9.3903,
11.0763

361.4952,

4.2182, 4.9966,

390.8595, 435.6177

6.0034

424.7571,
458.6072, 510.5078

■ 1.8263, 2.2453,
2.7783

■ 0.5335, 0.7445,
0.9826

■ 83.4358, 91.7673,
103.7578

■ 83.4358, 91.7673,
103.7578

■ 76.0712, 87.9733,
103.4116

■ 91.9525, 96.1602,
104.1618

■ 69.8019, 84.7414,
103.1147

■ 92.6842, 96.5374,
104.1995

■ 64.5778, 82.0484,
102.8667

■ 92.6849, 96.5377,
104.2030

■ 60.3423, 79.8650,
102.6650

■ 92.6856, 96.5379,
104.2066

■ 57.0330, 78.1590,
102.5066

■ 92.6862, 96.5382,
104.2101

■ 54.5807, 76.8949,
102.3884

■ 92.6869, 96.5385,
104.2136

■ 52.9063, 76.0318,
102.3065

■ 92.6876, 96.5387,
104.2171

■ 51.9164, 75.5216,
102.2567

■ 92.6883, 96.5390,
104.2207

■ 51.4744, 75.2938,
102.2325

■ 92.6889, 96.5393,
104.2242

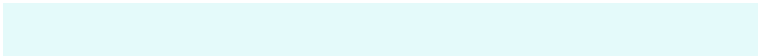
Harmonies

Analogous

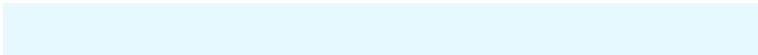
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2932, 91.7673, 97.7160



83.4358, 91.7673, 103.7578



84.5833, 91.7673, 108.9640

Triad

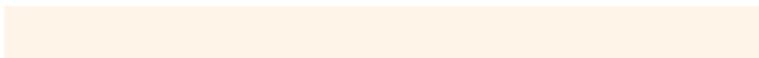
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4358, 91.7673, 103.7578



90.3256, 91.7673, 107.7498



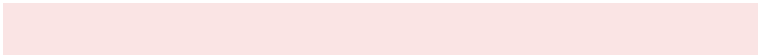
87.9993, 91.7673, 88.9235

Complementary

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



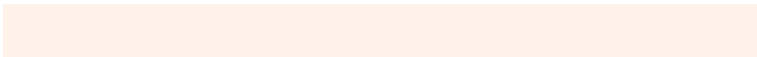
83.4358, 91.7673, 103.7578



81.1746, 81.4146, 84.8392

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.



89.9151, 91.7673, 91.3889



83.4358, 91.7673, 103.7578



91.2726, 91.7673, 102.1548

Square

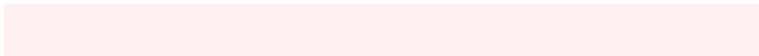
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4358, 91.7673, 103.7578



88.5524, 91.7673, 111.3323



91.1212, 91.7673, 96.1761



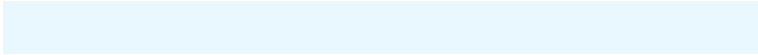
85.9052, 91.7673, 89.3136

Rectangle

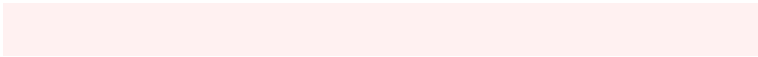
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



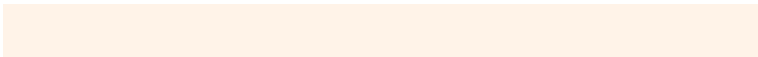
83.4358, 91.7673, 103.7578



85.7742, 91.7673, 111.1841



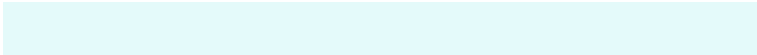
91.1212, 91.7673, 96.1761



88.6861, 91.7673, 89.4417

Sweetspot

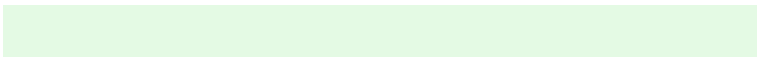
The Sweet Spot groups the original color and five complimentary colors.



83.4384, 91.7712, 103.7598



92.2911, 98.5778, 108.7698



80.3032, 90.5305, 86.6419



19.6003, 21.0204, 23.2739



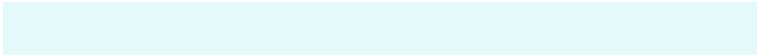
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

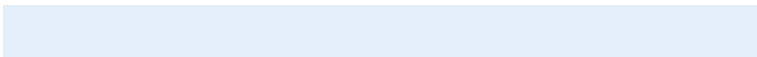
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4384, 91.7712, 103.7598



85.4720, 95.0625, 108.4477



80.2268, 85.3469, 102.6922



17.7658, 19.6086, 22.2331



27.2824, 39.9260, 54.2238



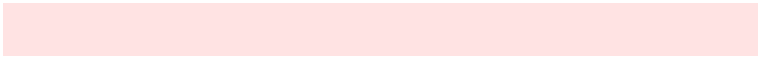
2.5269, 3.6978, 5.0223

Inverse Universe

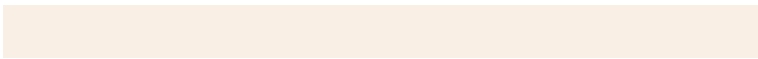
The Inverse Universe completely reimagines the original color for something new.



81.1746, 81.4146, 84.8392



82.5543, 81.7144, 84.0617



84.1905, 87.4472, 85.8419



17.2448, 17.2253, 17.8789



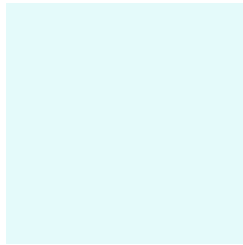
20.9121, 10.7806, 0.9796



1.9369, 0.9985, 0.0909

Previews

White Background



This preview shows how the XYZ color 83.4358, 91.7673, 103.7578 looks on a white background.

Color Contrast Check

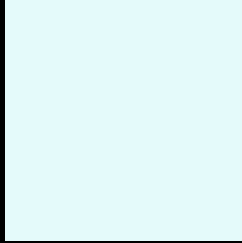
Large Text (above 18pt) WCAG AA × Fail

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 83.4358, 91.7673, 103.7578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

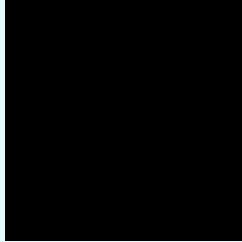
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

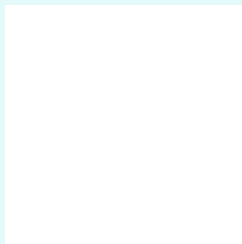
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4358, 91.7673, 103.7578

Background



This preview shows how black text looks on a background with the XYZ color 83.4358, 91.7673, 103.7578.



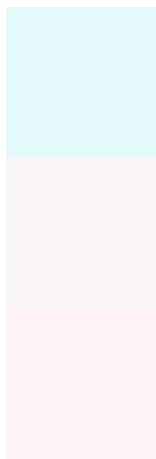
This preview shows how white text looks on a background with the XYZ color 83.4358, 91.7673,

103.7578.

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

83.4358, 91.7673, 103.7578

Protanopia

88.2061, 91.5565, 101.0189

Deuteranopia

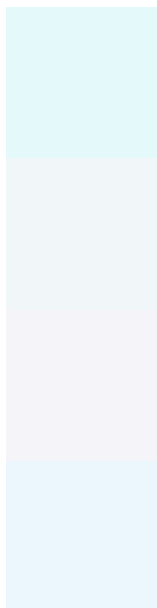
90.0910, 91.6038, 102.5555



Tritanopia

86.6024, 91.4823, 107.7011

Trichromacy



Original Color

83.4358, 91.7673, 103.7578

Protanomaly

86.1747, 91.3896, 101.9050

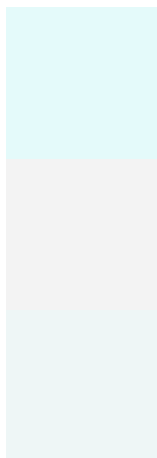
Deuteranomaly

87.4075, 91.5568, 102.6879

Tritanomaly

85.2513, 91.2755, 106.0532

Monochromacy



Original Color

83.4358, 91.7673, 103.7578

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.8502, 90.7425, 100.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4358, 91.7673, 103.7578 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(228, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(228, 250, 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(228, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 250, 250) }
```

Border

The CSS property to change the border of an element to XYZ 83.4358, 91.7673, 103.7578 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(228, 250, 250) }
```


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

```
.border{ border-color:rgb(228, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 250, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 250, 250); box-shadow:4px 4px 4px 4px rgb(228, 250, 250) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4358, 91.7673, 103.7578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 250, 250) }
```

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

```
.background{ background-color: rgb(228,  
250, 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](#).

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