

Converting Colors

XYZ(83.5796, 93.1952, 99.9404)

Have a look what the booklet for
XYZ(83.5796, 93.1952, 99.9404)
contains.

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Color

**XYZ(83.6016, 93.3371,
99.9958)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FDF5
RGB	228, 253, 245
RGB Percent	89%, 99%, 96%
CMY	0.1059, 0.0078, 0.0392
CMYK	0.10, 0.00, 0.03, 0.01
HSL	161°, 86%, 94%
HSV	161°, 10%, 99%
XYZ	83.6016, 93.3371, 99.9958
YIQ	244.6130, -12.3320, -7.7880

Conversions

Conversions Part 2

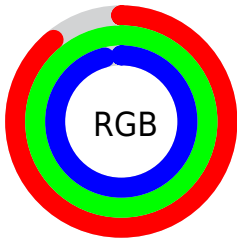
Format	Color
R_{YB}	228, 243, 253
Decimal	15007221
CIE _{Lab}	97.36, -9.57, 1.05
CIE _{LCh}	97, 9.631, 173.728
Yxy	93.3371, 0.3019, 0.3370
Android (android.graphics.Color)	4293197301 (0xFFE4FDF5)
YUV	244.6130, 0.1908, -14.5696
Hunter-Lab	96.6111, -14.6060, 6.2606

Details

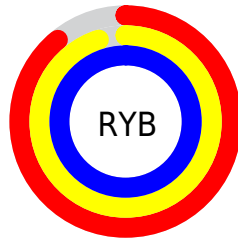
The XYZ color **83.6016, 93.3371, 99.9958** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.3951, 82.4280, 90.8759**, and the grayscale version is **86.4880, 90.9921, 99.0904**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9385, 51.9246, 55.7454** is the 20% darker color. If you saturate the color by 10%, you get **74.9463, 89.0174, 93.2785**, and if you desaturate by 10%, it is **93.4909, 98.2918, 107.0573**.

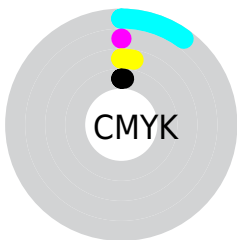
Distribution



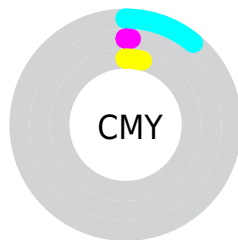
- Red (89%)
- Green (99%)
- Blue (96%)



- Red (89%)
- Yellow (95%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (11%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6016, 93.3371, 99.9958 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 83.6016, 93.3371, 99.9958 by changing the saturation by 10% instead.


 83.6016, 93.3371,
99.9958

 83.6016, 93.3371,
99.9958


495.5430,
538.8276, 581.4258

 63.0052, 70.7517,
75.6802


137.3419,
151.9652, 163.2032

 46.1040, 52.1396,
55.6652


171.2164,
188.7768, 202.9321

 32.5329, 37.1164,
39.5324

210.2477,
231.0992, 248.6358

 21.9264, 25.2976,
26.8631

254.8012,
279.3168, 300.7329

 13.9191, 16.2989,
17.2389

305.2420,
333.8140, 359.6419

 8.1458, 9.7359,
10.2412

361.9357,

 4.2409, 5.2242,

394.9753, 425.7814

5.4515

425.2476,
463.1850, 499.5698

■ 1.8393, 2.3794,
2.4512

■ 0.5412, 0.8153,
0.8141

■ 83.6016, 93.3371,
99.9958

■ 83.6016, 93.3371,
99.9958

■ 74.9463, 89.0174,
93.2785

■ 93.4909, 98.2918,
107.0573

■ 67.4655, 85.2945,
86.8932

■ 94.4170, 98.7341,
108.6890

■ 61.1066, 82.1439,
80.8358

■ 55.8100, 79.5349,
75.0997

■ 51.5100, 77.4337,
69.6780

■ 48.1338, 75.8029,
64.5636

■ 45.5978, 74.5995,
59.7485

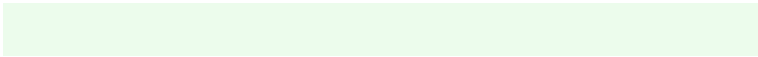
■ 43.8026, 73.7723,
55.2240

■ 42.5880, 73.2389,
50.9785

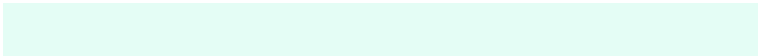
Harmonies

Analogous

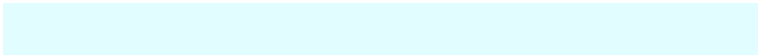
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5520, 93.3371, 92.9972



83.6016, 93.3371, 99.9958



83.9982, 93.3371, 107.7938

Triad

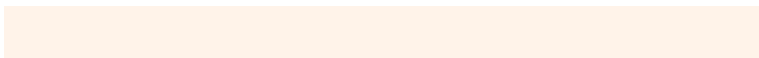
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6016, 93.3371, 99.9958



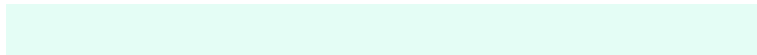
90.8416, 93.3371, 116.0104



91.8537, 93.3371, 89.9917

Complementary

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



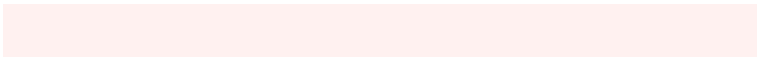
83.6016, 93.3371, 99.9958



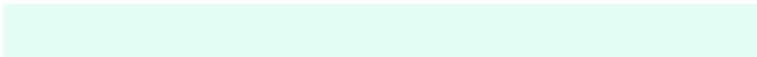
83.3951, 82.4280, 90.8759

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.



93.6033, 93.3371, 95.7024



83.6016, 93.3371, 99.9958



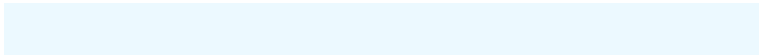
93.0106, 93.3371, 110.7774

Square

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



83.6016, 93.3371, 99.9958



88.1423, 93.3371, 117.3040



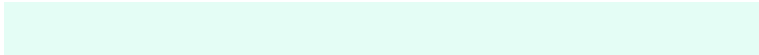
94.0309, 93.3371, 103.2783



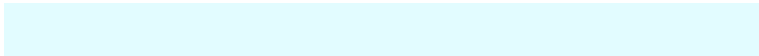
89.2884, 93.3371, 87.4152

Rectangle

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



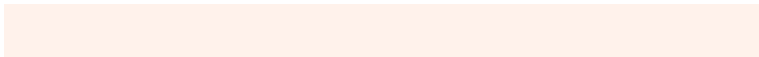
83.6016, 93.3371, 99.9958



84.9773, 93.3371, 112.3699



94.0309, 93.3371, 103.2783



92.5588, 93.3371, 91.5939

Sweetspot

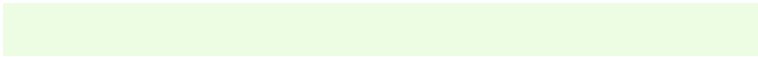
The Sweet Spot groups the original color and five complimentary colors.



83.6042, 93.3410, 99.9979



91.8995, 98.4211, 106.7077



83.8348, 93.7461, 87.0764



19.4943, 20.9780, 22.7156



0.0000, 0.0000, 0.0000



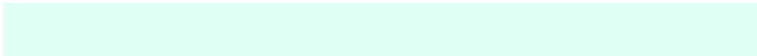
20.3446, 21.4041, 23.3091

Same Dimension

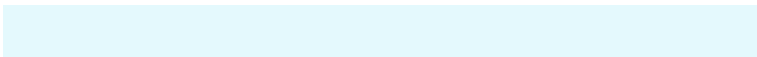
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6042, 93.3410, 99.9979



83.1373, 94.0364, 100.3193



83.5517, 91.2379, 106.1402



18.2929, 20.3767, 21.8456



22.7167, 38.9833, 27.4570



2.2617, 3.8156, 2.9360

Inverse Universe

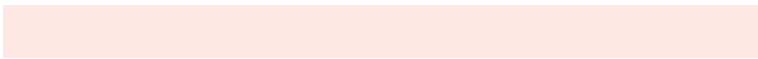
The Inverse Universe completely reimagines the original color for something new.



83.3951, 82.4280, 90.8759



82.8826, 80.7383, 89.2046



83.4181, 84.2937, 85.2738



18.2490, 18.0829, 19.9282



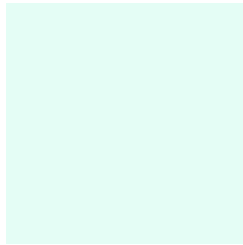
22.3970, 11.4481, 5.4752



2.2280, 1.1336, 0.7823

Previews

White Background



This preview shows how the XYZ color 83.6016, 93.3371, 99.9958 looks on a white background.

Color Contrast Check

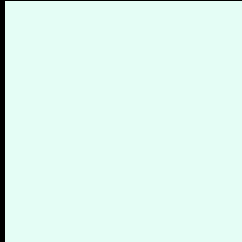
Large Text (above 18pt) WCAG AA × Fail

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 83.6016, 93.3371, 99.9958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

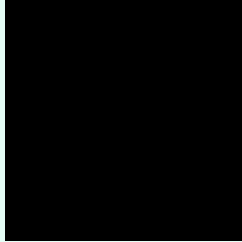
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

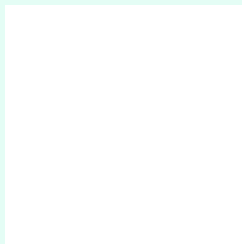
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6016, 93.3371, 99.9958

Background



This preview shows how black text looks on a background with the XYZ color 83.6016, 93.3371, 99.9958.



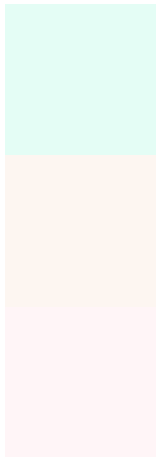
This preview shows how white text looks on a background with the XYZ color 83.6016, 93.3371,

99.9958.

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

83.6016, 93.3371, 99.9958

Protanopia

89.3410, 93.1451, 96.4891

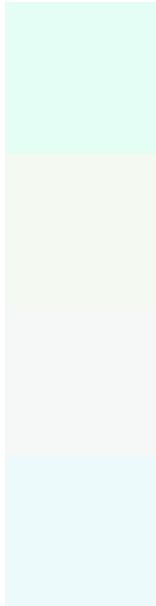
Deuteranopia

90.6809, 93.2802, 101.2212

Tritanopia

88.2354, 93.2320, 107.9528

Trichromacy



Original Color

83.6016, 93.3371, 99.9958

Protanomaly

87.2109, 93.3953, 97.4350

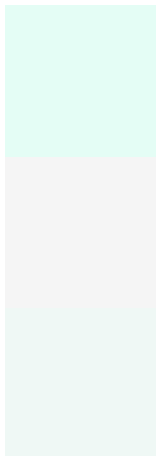
Deuteranomaly

87.8581, 93.2011, 100.5478

Tritanomaly

86.5232, 93.3408, 104.7231

Monochromacy



Original Color

83.6016, 93.3371, 99.9958

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.6454, 92.0781, 99.6451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6016, 93.3371, 99.9958 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, 253, 245)` looks like.

```
.text, #text, p{  
    color:rgb(228, 253, 245)  
}
```

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, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 253, 245) }
```

Border

The CSS property to change the border of an element to XYZ 83.6016, 93.3371, 99.9958 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, 253, 245) }
```


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

```
.border{ border-color:rgb(228, 253, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 253, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(228, 253,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6016, 93.3371, 99.9958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 253, 245) }
```

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

```
.background{ background-color: rgb(228,  
253, 245) }
```

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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