

Converting Colors

XYZ(87.7326, 100.0000,
99.1313)

Have a look what the booklet for
XYZ(87.7326, 100.0000, 99.1313)
contains.

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Color

**XYZ(85.5419, 95.3147,
98.6831)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFF3
RGB	233, 255, 243
RGB Percent	91%, 100%, 95%
CMY	0.0863, 0.0000, 0.0471
CMYK	0.09, 0.00, 0.05, 0.00
HSL	147°, 100%, 96%
HSV	147°, 9%, 100%
XYZ	85.5419, 95.3147, 98.6831
YIQ	247.0540, -9.2600, -8.3960

Conversions

Conversions Part 2

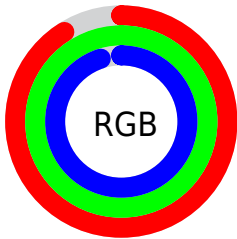
Format	Color
R_{YB}	233, 248, 255
Decimal	15335411
CIE _{Lab}	98.16, -9.32, 3.28
CIE _{LCh}	98, 9.881, 160.630
Y _{xy}	95.3147, 0.3060, 0.3410
Android (android.graphics.Color)	4293525491 (0xFFE9FFF3)
Y _{UV}	247.0540, -1.9986, -12.3254
Hunter-Lab	97.6292, -14.4510, 8.4105

Details

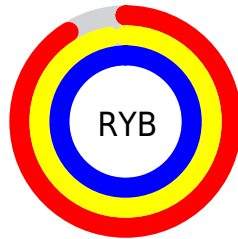
The XYZ color **85.5419, 95.3147, 98.6831** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8608, 86.1313, 98.4329**, and the grayscale version is **88.4726, 93.0801, 101.3642**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2952, 53.3231, 54.8134** is the 20% darker color. If you saturate the color by 10%, you get **75.7885, 90.5202, 87.6752**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

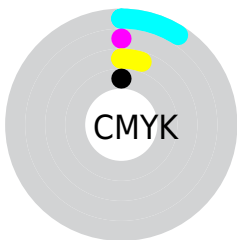
Distribution



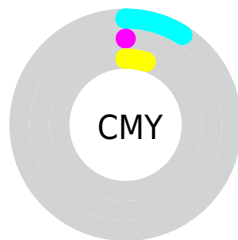
- Red (91%)
- Green (100%)
- Blue (95%)



- Red (91%)
- Yellow (97%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.5419, 95.3147, 98.6831 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 85.5419, 95.3147, 98.6831 by changing the saturation by 10% instead.


 85.5419, 95.3147,
98.6831

 85.5419, 95.3147,
98.6831


501.8762,
545.1720, 577.1728

 64.6132, 72.3969,
74.5905


140.0402,
154.6993, 161.3823

 47.4111, 53.4830,
54.7777


174.3405,
191.9349, 200.8260

 33.5700, 38.1885,
38.8264


213.8287,
234.7119, 246.2238

 22.7248, 26.1290,
26.3179

258.8702,
283.4148, 297.9942

 14.5100, 16.9202,
16.8337

309.8304,
338.4278, 356.5557

 8.5603, 10.1776,
9.9553

367.0745,

 4.5103, 5.5169,

400.1354, 422.3270

5.2641

430.9680,
468.9220, 495.7265

■ 1.9947, 2.5536,
2.3416

■ 0.6310, 0.9034,
0.7544

■ 85.5419, 95.3147,
98.6831

■ 85.5419, 95.3147,
98.6831

■ 75.7885, 90.5202,
87.6752

95.0500, 100.0000,
108.9000

■ 67.3415, 86.3811,
77.5394

■ 60.1430, 82.8682,
68.2554

■ 54.1297, 79.9492,
59.8006

■ 49.2324, 77.5888,
52.1514

■ 45.3746, 75.7480,
45.2831

■ 42.4692, 74.3826,
39.1691

■ 40.4137, 73.4400,
33.7815

■ 39.0638, 72.8466,
29.0888

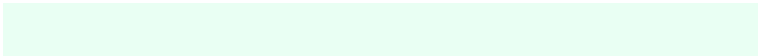
Harmonies

Analogous

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



87.0861, 95.3147, 92.3652



85.5419, 95.3147, 98.6831



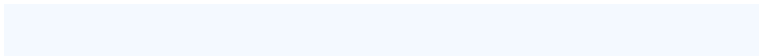
85.3349, 95.3147, 106.6915

Triad

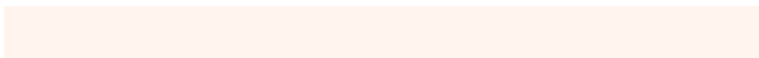
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5419, 95.3147, 98.6831



91.6042, 95.3147, 119.9143



94.7993, 95.3147, 93.9325

Complementary

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



85.5419, 95.3147, 98.6831



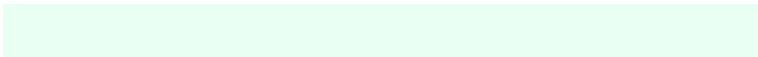
86.8608, 86.1313, 98.4329

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.



96.0644, 95.3147, 100.9249



85.5419, 95.3147, 98.6831



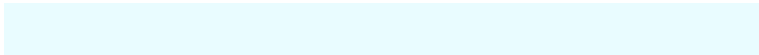
94.1943, 95.3147, 116.1018

Square

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



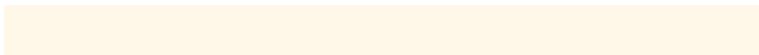
85.5419, 95.3147, 98.6831



88.7956, 95.3147, 119.2367



95.8407, 95.3147, 109.0526



92.4160, 95.3147, 89.7231

Rectangle

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



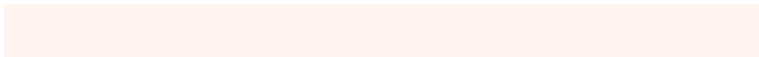
85.5419, 95.3147, 98.6831



85.9782, 95.3147, 111.9505



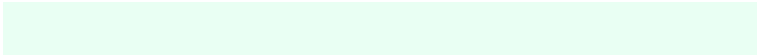
95.8407, 95.3147, 109.0526



95.3716, 95.3147, 96.0199

Sweetspot

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



85.5427, 95.3151, 98.6846



91.6267, 98.3120, 105.2713



88.1596, 96.8339, 91.1363



19.4206, 20.9485, 22.3278



0.0000, 0.0000, 0.0000



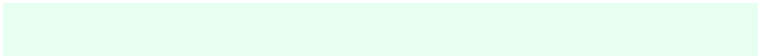
20.3446, 21.4041, 23.3091

Same Dimension

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



85.5427, 95.3151, 98.6846



84.1238, 94.6168, 97.1203



87.2382, 95.9933, 107.6127



18.1149, 20.3055, 20.9081



20.4032, 38.0579, 15.2747



2.0409, 3.7273, 1.7730

Inverse Universe

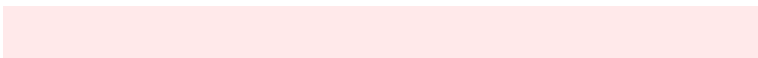
The Inverse Universe completely reimagines the original color for something new.



86.8608, 86.1313, 98.4329



85.6372, 84.0715, 96.8312



85.2452, 85.4851, 89.9258



18.4239, 18.1529, 20.8491



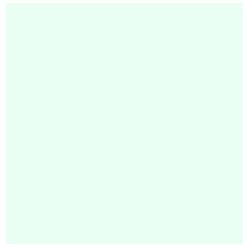
24.0632, 12.1146, 14.2493



2.3981, 1.2016, 1.6778

Previews

White Background



This preview shows how the XYZ color 85.5419, 95.3147, 98.6831 looks on a white background.

Color Contrast Check

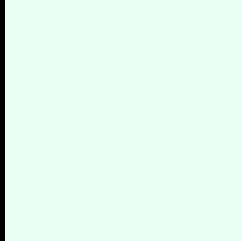
Large Text (above 18pt) WCAG AA × Fail

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 85.5419, 95.3147, 98.6831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

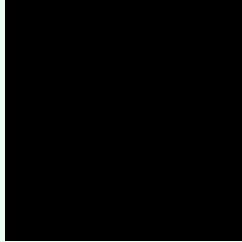
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

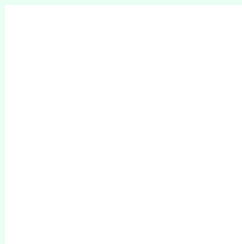
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.5419, 95.3147, 98.6831

Background



This preview shows how black text looks on a background with the XYZ color 85.5419, 95.3147, 98.6831.



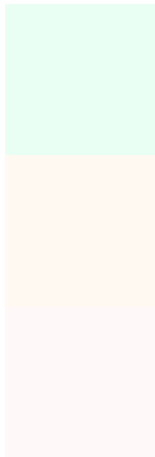
This preview shows how white text looks on a background with the XYZ color 85.5419, 95.3147,

98.6831.

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

85.5419, 95.3147, 98.6831

Protanopia

90.9929, 95.3622, 96.8300

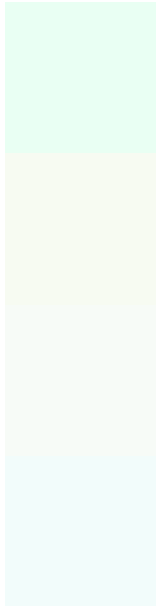
Deuteranopia

91.9063, 95.2344, 103.1606

Tritanopia

90.5934, 95.3654, 108.2403

Trichromacy



Original Color

85.5419, 95.3147, 98.6831

Protanomaly

88.8820, 95.1793, 97.6913

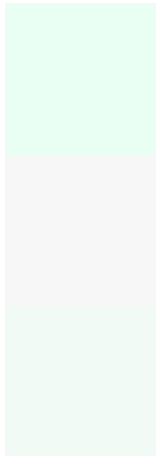
Deuteranomaly

89.6435, 95.4839, 101.7012

Tritanomaly

88.8409, 95.4631, 105.0106

Monochromacy



Original Color

85.5419, 95.3147, 98.6831

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.4381, 93.9023, 100.7052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.5419, 95.3147, 98.6831 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(233, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 243)  
}
```

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(233, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 85.5419, 95.3147, 98.6831 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(233, 255, 243) }
```


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

```
.border{ border-color:rgb(233, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 85.5419, 95.3147, 98.6831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 243) }
```

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

```
.background{ background-color: rgb(233,  
255, 243) }
```

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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