

Converting Colors

XYZ(87.5644, 100.0000,
99.6743)

Have a look what the booklet for
XYZ(87.5644, 100.0000, 99.6743)
contains.

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Color

**XYZ(85.2164, 95.1469,
98.6678)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFF3
RGB	232, 255, 243
RGB Percent	91%, 100%, 95%
CMY	0.0902, 0.0000, 0.0471
CMYK	0.09, 0.00, 0.05, 0.00
HSL	149°, 100%, 95%
HSV	149°, 9%, 100%
XYZ	85.2164, 95.1469, 98.6678
YIQ	246.7550, -9.8560, -8.6080

Conversions

Conversions Part 2

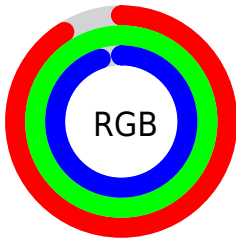
Format	Color
R _Y B	232, 248, 255
Decimal	15269875
CIE Lab	98.09, -9.65, 3.17
CIE LCh	98, 10.154, 161.798
Yxy	95.1469, 0.3054, 0.3410
Android (android.graphics.Color)	4293459955 (0xFFE8FFF3)
YUV	246.7550, -1.8512, -12.9401
Hunter-Lab	97.5433, -14.7584, 8.3068

Details

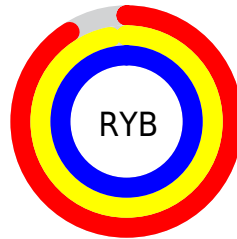
The XYZ color **85.2164, 95.1469, 98.6678** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4263, 85.5059, 97.5371**, and the grayscale version is **88.2289, 92.8237, 101.0850**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0682, 53.2061, 54.8028** is the 20% darker color. If you saturate the color by 10%, you get **75.5938, 90.4100, 88.1077**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

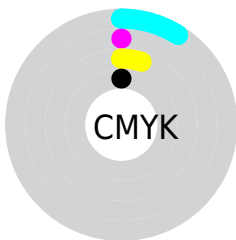
Distribution



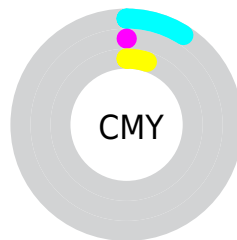
- Red (91%)
- Green (100%)
- Blue (95%)



- 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 85.2164, 95.1469, 98.6678 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 85.2164, 95.1469, 98.6678 by changing the saturation by 10% instead.

85.2164, 95.1469,
98.6678

85.2164, 95.1469,
98.6678

500.8167,
544.6352, 577.1232

64.3433, 72.2572,
74.5778

139.5879,
154.4675, 161.3611

47.1915, 53.3688,
54.7674

173.8171,
191.6673, 200.8014

33.3956, 38.0973,
38.8182

213.2290,
234.4059, 246.1956

22.5904, 26.0582,
26.3116

258.1889,
283.0677, 297.9622

14.4104, 16.8672,
16.8290

309.0623,
338.0372, 356.5197

8.4902, 10.1399,
9.9520

366.2145,

4.4646, 5.4918,

399.6986, 422.2867

5.2619

430.0109,
468.4365, 495.6816

■ 1.9682, 2.5386,
2.3403

■ 0.6160, 0.8959,
0.7537

■ 85.2164, 95.1469,
98.6678

■ 85.2164, 95.1469,
98.6678

■ 75.5938, 90.4100,
88.1077

95.0500, 100.0000,
108.9000

■ 67.2623, 86.3223,
78.3506

■ 60.1645, 82.8545,
69.3787

■ 54.2373, 79.9744,
61.1719

■ 49.4119, 77.6470,
53.7093

■ 45.6117, 75.8332,
46.9689

■ 42.7499, 74.4886,
40.9272

■ 40.7238, 73.5609,
35.5595

■ 39.3835, 72.9730,
30.8375

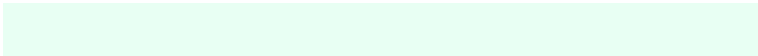
Harmonies

Analogous

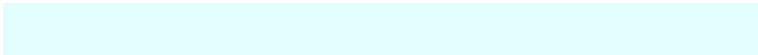
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7517, 95.1469, 92.0929



85.2164, 95.1469, 98.6678



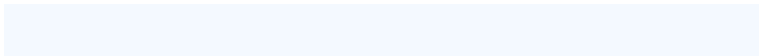
85.0608, 95.1469, 106.9139

Triad

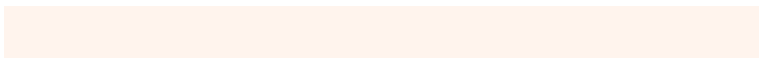
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2164, 95.1469, 98.6678



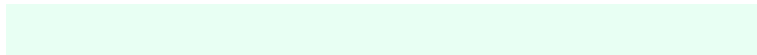
91.5845, 95.1469, 120.1101



94.6751, 95.1469, 93.2694

Complementary

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



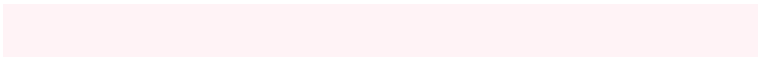
85.2164, 95.1469, 98.6678



86.4263, 85.5059, 97.5371

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.



96.0294, 95.1469, 100.3530



85.2164, 95.1469, 98.6678



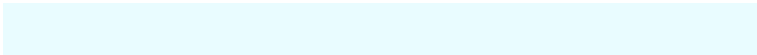
94.2196, 95.1469, 116.0252

Square

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



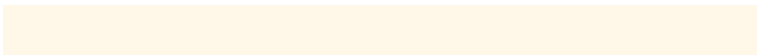
85.2164, 95.1469, 98.6678



88.6957, 95.1469, 119.5990



95.8609, 95.1469, 108.6914



92.1954, 95.1469, 89.0934

Rectangle

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



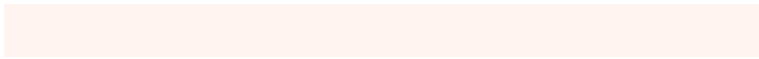
85.2164, 95.1469, 98.6678



85.7563, 95.1469, 112.2845



95.8609, 95.1469, 108.6914



95.2794, 95.1469, 95.3729

Sweetspot

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



85.2172, 95.1473, 98.6693



91.6553, 98.3235, 105.4218



87.7269, 96.6273, 90.3725



19.4283, 20.9516, 22.3683



0.0000, 0.0000, 0.0000



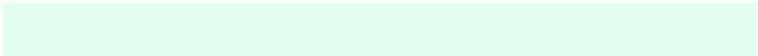
20.3446, 21.4041, 23.3091

Same Dimension

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



85.2172, 95.1473, 98.6693



83.2054, 94.1558, 96.5121



86.9661, 95.8468, 107.8787



18.1334, 20.3129, 21.0055



20.5942, 38.1343, 16.2804



2.0600, 3.7349, 1.8738

Inverse Universe

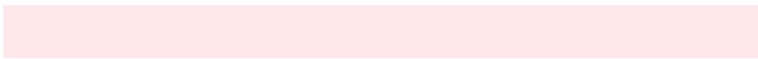
The Inverse Universe completely reimagines the original color for something new.



86.4263, 85.5059, 97.5371



84.6600, 82.5566, 95.1500



84.7721, 84.8442, 88.8261



18.4052, 18.1454, 20.7509



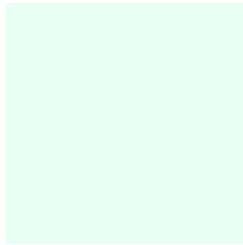
23.8382, 12.0246, 13.0643



2.3763, 1.1929, 1.5629

Previews

White Background



This preview shows how the XYZ color 85.2164, 95.1469, 98.6678 looks on a white background.

Color Contrast Check

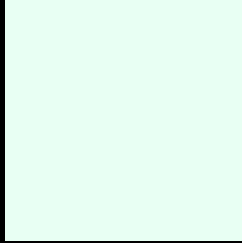
Large Text (above 18pt) WCAG AA × Fail

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 85.2164, 95.1469, 98.6678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

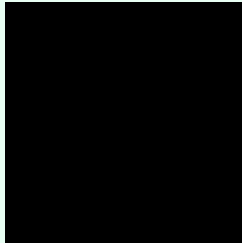
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

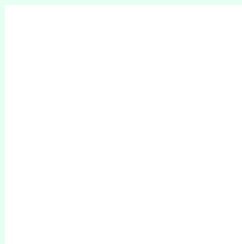
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.2164, 95.1469, 98.6678

Background



This preview shows how black text looks on a background with the XYZ color 85.2164, 95.1469, 98.6678.



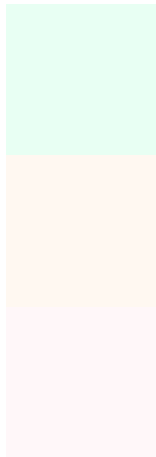
This preview shows how white text looks on a background with the XYZ color 85.2164, 95.1469,

98.6678.

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

85.2164, 95.1469, 98.6678

Protanopia

90.6846, 94.7457, 96.7272

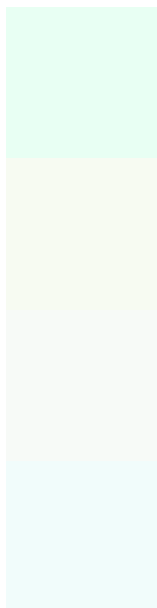
Deuteranopia

91.5996, 94.6211, 103.0584

Tritanopia

90.2416, 95.1840, 108.2239

Trichromacy



Original Color

85.2164, 95.1469, 98.6678

Protanomaly

88.8820, 95.1793, 97.6913

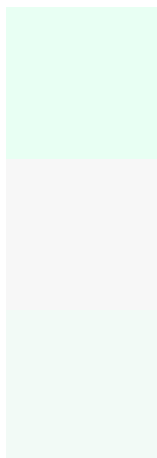
Deuteranomaly

89.3319, 94.8608, 101.5974

Tritanomaly

88.4986, 95.2866, 104.9946

Monochromacy



Original Color

85.2164, 95.1469, 98.6678

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 85.2164, 95.1469, 98.6678 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(232, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 85.2164, 95.1469, 98.6678 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(232, 255, 243) }
```


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

```
.border{ border-color:rgb(232, 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(232, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 85.2164, 95.1469, 98.6678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 243) }
```

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

```
.background{ background-color: rgb(232,  
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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