

Converting Colors

XYZ(84.7944, 93.9251,
100.4175)

Have a look what the booklet for
XYZ(84.7944, 93.9251, 100.4175)
contains.

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Color

**XYZ(84.8854, 93.9989,
100.0559)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FDF5
RGB	232, 253, 245
RGB Percent	91%, 99%, 96%
CMY	0.0902, 0.0078, 0.0392
CMYK	0.08, 0.00, 0.03, 0.01
HSL	157°, 84%, 95%
HSV	157°, 8%, 99%
XYZ	84.8854, 93.9989, 100.0559
YIQ	245.8090, -9.9480, -6.9400

Conversions

Conversions Part 2

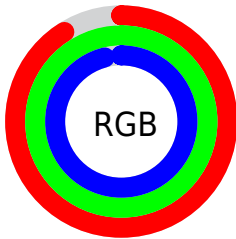
Format	Color
R _Y B	232, 245, 253
Decimal	15269365
CIE Lab	97.63, -8.29, 1.47
CIE LCh	98, 8.415, 169.912
Yxy	93.9989, 0.3043, 0.3370
Android (android.graphics.Color)	4293459445 (0xFFE8FDF5)
YUV	245.8090, -0.3988, -12.1105
Hunter-Lab	96.9530, -13.3855, 6.6796

Details

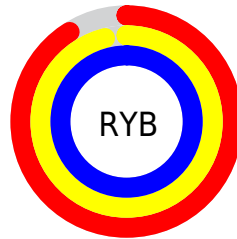
The XYZ color **84.8854, 93.9989, 100.0559** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0962, 84.8895, 94.3427**, and the grayscale version is **87.4542, 92.0086, 100.1974**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8297, 52.3841, 55.7871** is the 20% darker color. If you saturate the color by 10%, you get **75.8234, 89.4955, 92.1489**, and if you desaturate by 10%, it is **94.3596, 98.7111, 108.3865**.

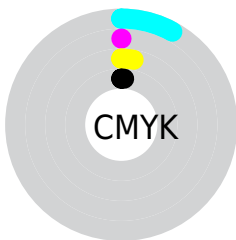
Distribution



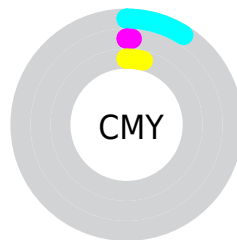
- Red (91%)
- Green (99%)
- Blue (96%)



- Red (91%)
- Yellow (96%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (9%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.8854, 93.9989, 100.0559 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 84.8854, 93.9989, 100.0559 by changing the saturation by 10% instead.


 84.8854, 93.9989,
100.0559

 84.8854, 93.9989,
100.0559


499.7382,
540.9551, 581.6201

 64.0689, 71.3020,
75.7301


139.1279,
152.8808, 163.2865

 46.9683, 52.5887,
55.7059


173.2846,
189.8347, 203.0285

 33.2185, 37.4745,
39.5647

212.6187,
232.3096, 248.7461

 22.4539, 25.5751,
26.8881

257.4956,
280.6901, 300.8581

 14.3093, 16.5061,
17.2575

308.2806,
335.3605, 359.7830

 8.4192, 9.8830,
10.2544

365.3392,

 4.4184, 5.3214,

396.7052, 425.9392

5.4601

429.0366,
465.1086, 499.7454

■ 1.9415, 2.4371,
2.4563

■ 0.6008, 0.8449,
0.8168

■ 84.8854, 93.9989,
100.0559

■ 84.8854, 93.9989,
100.0559

■ 75.8234, 89.4955,
92.1489

94.3596, 98.7111,
108.3865

■ 67.9662, 85.6020,
84.6906

94.4170, 98.7341,
108.6890

■ 61.2616, 82.2939,
77.6745

■ 55.6499, 79.5409,
71.0915

■ 51.0663, 77.3095,
64.9319

■ 47.4384, 75.5627,
59.1858

■ 44.6842, 74.2583,
53.8424

■ 42.7069, 73.3465,
48.8903

■ 41.3724, 72.7584,
44.3158

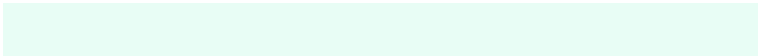
Harmonies

Analogous

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



85.8660, 93.9989, 94.0883



84.8854, 93.9989, 100.0559



85.0828, 93.9989, 106.9066

Triad

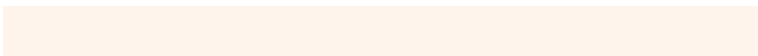
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8854, 93.9989, 100.0559



90.9207, 93.9989, 115.2569



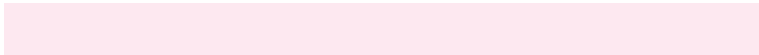
92.3417, 93.9989, 92.5865

Complementary

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



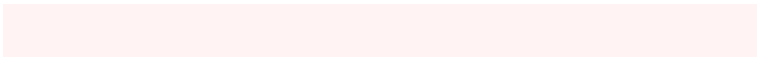
84.8854, 93.9989, 100.0559



85.0962, 84.8895, 94.3427

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.



93.7434, 93.9989, 97.9224



84.8854, 93.9989, 100.0559



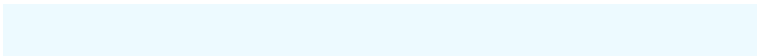
92.9129, 93.9989, 111.0792

Square

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



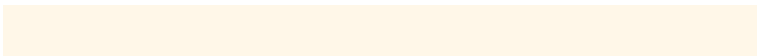
84.8854, 93.9989, 100.0559



88.5389, 93.9989, 115.8907



93.9543, 93.9989, 104.6765



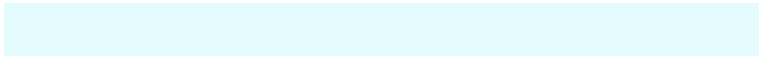
90.1522, 93.9989, 89.9052

Rectangle

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



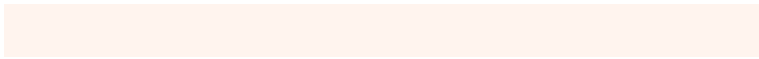
84.8854, 93.9989, 100.0559



85.8571, 93.9989, 111.0463



93.9543, 93.9989, 104.6765



92.9222, 93.9989, 94.1178

Sweetspot

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



84.8881, 94.0029, 100.0580



92.8872, 98.9210, 107.1738



85.6461, 94.6150, 90.0938



19.9043, 21.1845, 22.9578



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

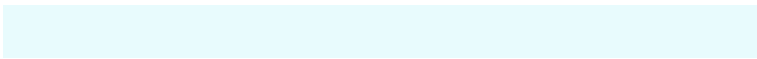
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8881, 94.0029, 100.0580



84.7576, 94.8703, 100.4574



85.3682, 92.9651, 106.3778



18.2442, 20.3572, 21.5892



21.9775, 38.6876, 23.5648



2.1932, 3.7882, 2.5750

Inverse Universe

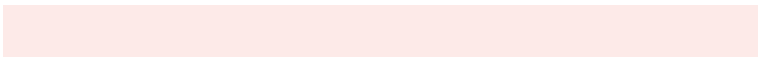
The Inverse Universe completely reimagines the original color for something new.



85.0962, 84.8895, 94.3427



85.0100, 83.8206, 93.5281



84.6275, 85.8135, 88.4486



18.2958, 18.1016, 20.1747



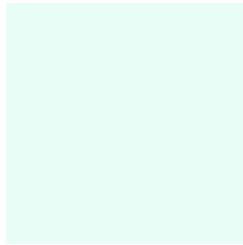
22.7473, 11.5882, 7.3200



2.2661, 1.1488, 0.9825

Previews

White Background



This preview shows how the XYZ color 84.8854, 93.9989, 100.0559 looks on a white background.

Color Contrast Check

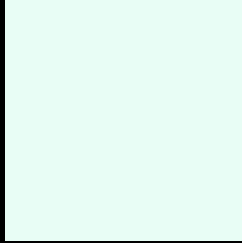
Large Text (above 18pt) WCAG AA × Fail

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 84.8854, 93.9989, 100.0559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

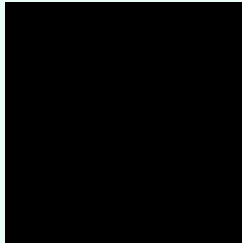
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

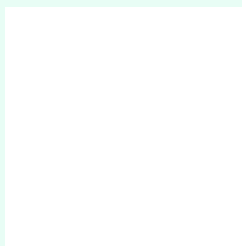
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.8854, 93.9989, 100.0559

Background



This preview shows how black text looks on a background with the XYZ color 84.8854, 93.9989, 100.0559.



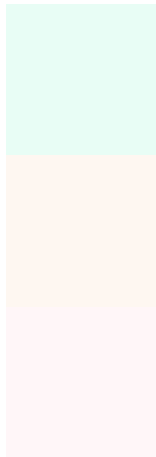
This preview shows how white text looks on a background with the XYZ color 84.8854, 93.9989,

100.0559.

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

84.8854, 93.9989, 100.0559

Protanopia

90.0110, 93.9432, 96.6079

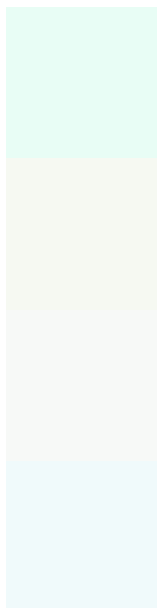
Deuteranopia

91.1390, 93.9488, 102.1373

Tritanopia

88.9256, 93.5879, 107.9851

Trichromacy



Original Color

84.8854, 93.9989, 100.0559

Protanomaly

87.9087, 93.7550, 97.4676

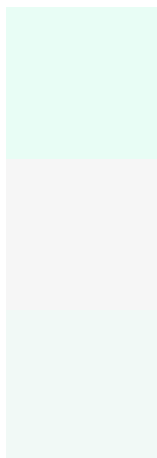
Deuteranomaly

89.0220, 94.2409, 101.4940

Tritanomaly

87.5334, 93.8615, 104.7704

Monochromacy



Original Color

84.8854, 93.9989, 100.0559

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.7859, 93.1060, 100.5859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8854, 93.9989, 100.0559 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, 253, 245)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 253, 245) }
```

Border

The CSS property to change the border of an element to XYZ 84.8854, 93.9989, 100.0559 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, 253, 245) }
```


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

```
.border{ border-color:rgb(232, 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(232, 253, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(232, 253,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8854, 93.9989, 100.0559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 253, 245) }
```

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

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