

Converting Colors

XYZ(85.7031, 97.3267, 95.1451)

Have a look what the booklet for
XYZ(85.7031, 97.3267, 95.1451)
contains.

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Color

**XYZ(84.4713, 94.8489,
94.7445)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFEE
RGB	232, 255, 238
RGB Percent	91%, 100%, 93%
CMY	0.0902, 0.0000, 0.0667
CMYK	0.09, 0.00, 0.07, 0.00
HSL	136°, 100%, 95%
HSV	136°, 9%, 100%
XYZ	84.4713, 94.8489, 94.7445
YIQ	246.1850, -8.2510, -10.1630

Conversions

Conversions Part 2

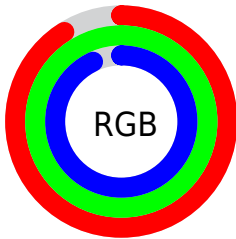
Format	Color
R _Y B	232, 250, 255
Decimal	15269870
CIE Lab	97.97, -10.54, 5.57
CIE LCh	98, 11.921, 152.165
Yxy	94.8489, 0.3082, 0.3461
Android (android.graphics.Color)	4293459950 (0xFFE8FEE)
YUV	246.1850, -4.0352, -12.4402
Hunter-Lab	97.3904, -15.6117, 10.4941

Details

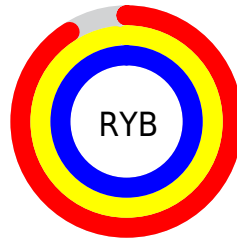
The XYZ color **84.4713, 94.8489, 94.7445** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1958, 85.8136, 101.5901**, and the grayscale version is **87.7829, 92.3545, 100.5740**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5421, 52.9957, 52.0321** is the 20% darker color. If you saturate the color by 10%, you get **74.1596, 89.8363, 80.5564**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

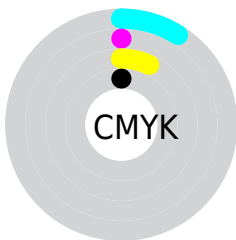
Distribution



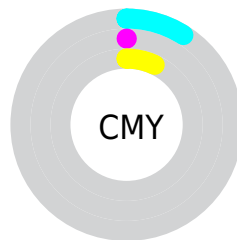
- Red (91%)
- Green (100%)
- Blue (93%)



- Red (91%)
- Yellow (98%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4713, 94.8489, 94.7445 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 84.4713, 94.8489, 94.7445 by changing the saturation by 10% instead.


 84.4713, 94.8489,
94.7445

 84.4713, 94.8489,
94.7445


498.3871,
543.6811, 564.3101

 63.7256, 72.0092,
71.3266


138.5521,
154.0558, 155.9041

 46.6893, 53.1662,
52.1253


172.6180,
191.1919, 194.4829

 32.9971, 37.9355,
36.7220


211.8546,
233.8622, 238.9525

 22.2834, 25.9326,
24.6983

256.6274,
282.4511, 289.7313

 14.1831, 16.7732,
15.6354

307.3017,
337.3431, 347.2380

 8.3307, 10.0729,
9.1150

364.2428,

 4.3608, 5.4473,

398.9225, 411.8909

4.7184

427.8162,
467.5737, 484.1088

■ 1.9082, 2.5121,
2.0272

■ 0.5816, 0.8827,
0.5719

■ 84.4713, 94.8489,
94.7445

■ 84.4713, 94.8489,
94.7445

■ 74.1596, 89.8363,
80.5564

95.0500, 100.0000,
108.9000

■ 65.2778, 85.5285,
67.9007

■ 57.7619, 81.8934,
56.7272

■ 51.5425, 78.8965,
46.9814

■ 46.5436, 76.4997,
38.6053

■ 42.6812, 74.6610,
31.5369

■ 39.8601, 73.3327,
25.7095

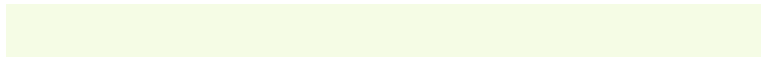
■ 37.9685, 72.4587,
21.0503

■ 36.8463, 71.9582,
17.4771

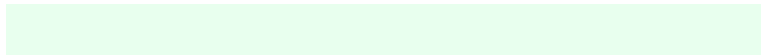
Harmonies

Analogous

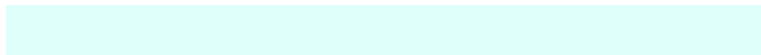
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7023, 94.8489, 88.1669



84.4713, 94.8489, 94.7445



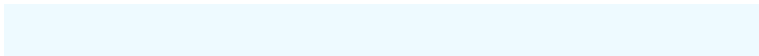
83.7507, 94.8489, 103.9859

Triad

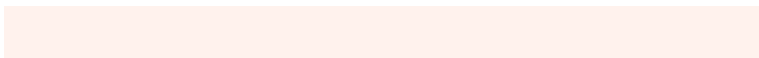
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4713, 94.8489, 94.7445



90.3991, 94.8489, 123.2176



95.8214, 94.8489, 93.5883

Complementary

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



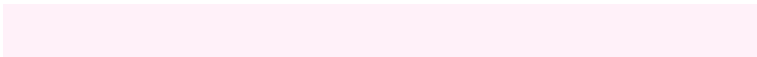
84.4713, 94.8489, 94.7445



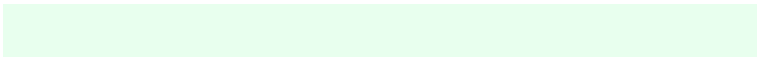
87.1958, 85.8136, 101.5901

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.



96.8694, 94.8489, 102.5660



84.4713, 94.8489, 94.7445



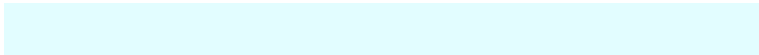
93.6901, 94.8489, 120.0159

Square

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



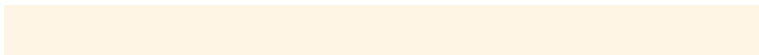
84.4713, 94.8489, 94.7445



87.1213, 94.8489, 120.8023



96.0798, 94.8489, 112.3013



93.2502, 94.8489, 87.5296

Rectangle

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



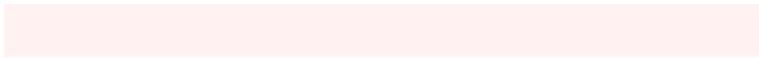
84.4713, 94.8489, 94.7445



84.2088, 94.8489, 110.5287



96.0798, 94.8489, 112.3013



96.3664, 94.8489, 96.3445

Sweetspot

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



84.4721, 94.8492, 94.7460



91.3942, 98.2190, 104.0469



89.4819, 97.5321, 90.4544



19.3580, 20.9235, 21.9979



0.0000, 0.0000, 0.0000



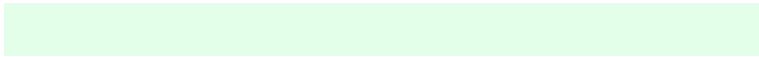
20.3446, 21.4041, 23.3091

Same Dimension

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



84.4721, 94.8492, 94.7460



82.3127, 93.7987, 91.8109



86.1771, 95.5312, 103.7248



17.9661, 20.2460, 20.1243



19.2589, 37.6002, 9.2486



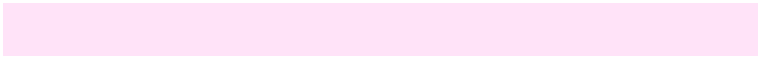
1.9177, 3.6780, 1.1242

Inverse Universe

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



87.1958, 85.8136, 101.5901



85.5893, 82.9284, 100.0439



85.4931, 85.1325, 92.6235



18.5784, 18.2147, 21.6629



26.3827, 13.0424, 26.4636



2.6136, 1.2878, 2.8126

Previews

White Background



This preview shows how the XYZ color 84.4713, 94.8489, 94.7445 looks on a white background.

Color Contrast Check

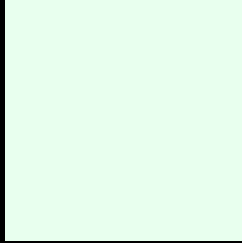
Large Text (above 18pt) WCAG AA × Fail

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 84.4713, 94.8489, 94.7445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

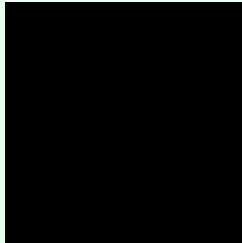
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

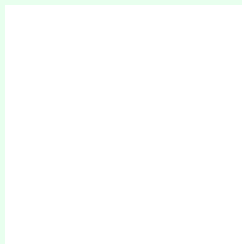
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.4713, 94.8489, 94.7445

Background



This preview shows how black text looks on a background with the XYZ color 84.4713, 94.8489, 94.7445.



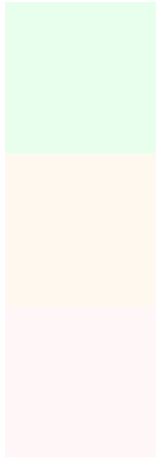
This preview shows how white text looks on a background with the XYZ color 84.4713, 94.8489,

94.7445.

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

84.4713, 94.8489, 94.7445

Protanopia

90.2400, 94.5678, 94.3862

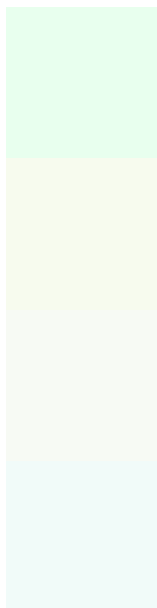
Deuteranopia

91.2893, 94.4969, 101.4240

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

84.4713, 94.8489, 94.7445

Protanomaly

88.2876, 94.9416, 94.5612

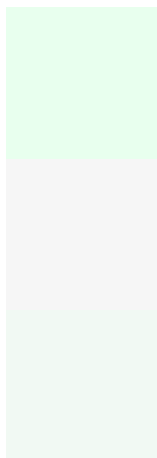
Deuteranomaly

88.8725, 94.6770, 99.1784

Tritanomaly

87.8717, 94.5347, 103.2382

Monochromacy



Original Color

84.4713, 94.8489, 94.7445

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.3290, 92.9232, 98.1800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4713, 94.8489, 94.7445 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 84.4713, 94.8489, 94.7445 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, 238) }
```


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

```
.border{ border-color:rgb(232, 255, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4713, 94.8489, 94.7445 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, 238) }
```

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

```
.background{ background-color: rgb(232,  
255, 238) }
```

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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