

Converting Colors

XYZ(84.4135, 94.8276, 94.3554)

Have a look what the booklet for
XYZ(84.4135, 94.8276, 94.3554)
contains.

XYZ(84.3248, 94.7902, 93.9727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.3248, 94.7902,
93.9727)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFED
RGB	232, 255, 237
RGB Percent	91%, 100%, 93%
CMY	0.0902, 0.0000, 0.0706
CMYK	0.09, 0.00, 0.07, 0.00
HSL	133°, 100%, 95%
HSV	133°, 9%, 100%
XYZ	84.3248, 94.7902, 93.9727
YIQ	246.0710, -7.9300, -10.4740

Conversions

Conversions Part 2

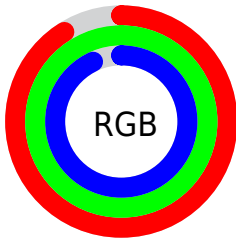
Format	Color
R _Y B	232, 251, 255
Decimal	15269869
CIE Lab	97.95, -10.72, 6.05
CIE LCh	98, 12.306, 150.575
Yxy	94.7902, 0.3088, 0.3471
Android (android.graphics.Color)	4293459949 (0xFFE8FFED)
YUV	246.0710, -4.4720, -12.3403
Hunter-Lab	97.3603, -15.7796, 10.9251

Details

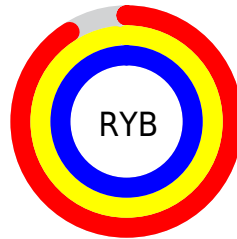
The XYZ color **84.3248, 94.7902, 93.9727** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3524, 85.8764, 102.4143**, and the grayscale version is **87.6940, 92.2609, 100.4722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4391, 52.9545, 51.4897** is the 20% darker color. If you saturate the color by 10%, you get **73.8835, 89.7259, 79.1017**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

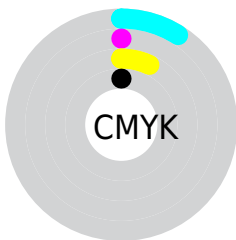
Distribution



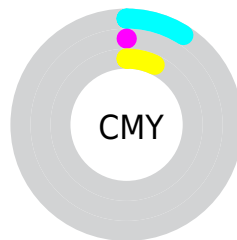
- Red (91%)
- Green (100%)
- Blue (93%)



- 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 84.3248, 94.7902, 93.9727 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 84.3248, 94.7902, 93.9727 by changing the saturation by 10% instead.


 84.3248, 94.7902,
93.9727

 84.3248, 94.7902,
93.9727


497.9086,
543.4931, 561.7710

 63.6042, 71.9604,
70.6881


138.3483,
153.9747, 154.8279

 46.5907, 53.1263,
51.6074


172.3820,
191.0982, 193.2356

 32.9188, 37.9036,
36.3122


211.5842,
233.7550, 237.5214

 22.2232, 25.9079,
24.3838

256.3201,
282.3296, 288.1039

 14.1385, 16.7547,
15.4037

306.9551,
337.2063, 345.4015

 8.2994, 10.0598,
8.9535

363.8546,

 4.3405, 5.4386,

398.7695, 409.8329

4.6144

427.3840,
467.4037, 481.8166

■ 1.8965, 2.5068,
1.9681

■ 0.5748, 0.8801,
0.5356

■ 84.3248, 94.7902,
93.9727

■ 84.3248, 94.7902,
93.9727

■ 73.8835, 89.7259,
79.1017

95.0500, 100.0000,
108.9000

■ 64.9048, 85.3793,
65.9363

■ 57.3232, 81.7180,
54.4168

■ 51.0672, 78.7064,
44.4782

■ 46.0586, 76.3057,
36.0513

■ 42.2111, 74.4730,
29.0616

■ 39.4269, 73.1594,
23.4283

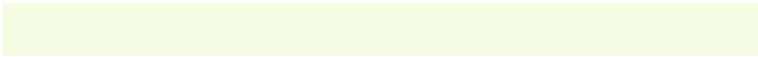
■ 37.5910, 72.3077,
19.0624

■ 36.5398, 71.8355,
15.8629

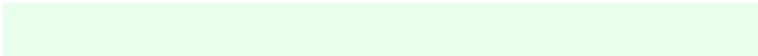
Harmonies

Analogous

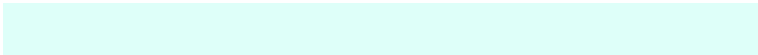
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6944, 94.7902, 87.3972



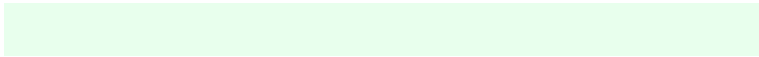
84.3248, 94.7902, 93.9727



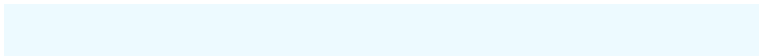
83.4920, 94.7902, 103.4052

Triad

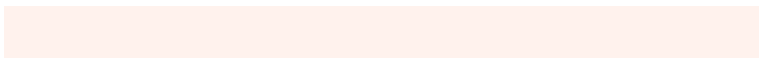
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3248, 94.7902, 93.9727



90.1632, 94.7902, 123.8433



96.0522, 94.7902, 93.6564

Complementary

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



84.3248, 94.7902, 93.9727



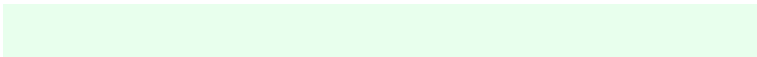
87.3524, 85.8764, 102.4143

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.



97.0377, 94.7902, 103.0159



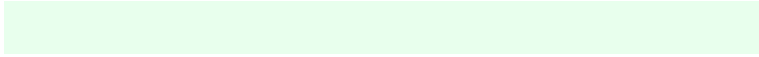
84.3248, 94.7902, 93.9727



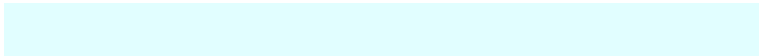
93.5839, 94.7902, 120.8245

Square

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



84.3248, 94.7902, 93.9727



86.8092, 94.7902, 121.0408



96.1231, 94.7902, 113.0345



93.4632, 94.7902, 87.2232

Rectangle

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



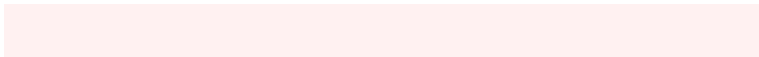
84.3248, 94.7902, 93.9727



83.9030, 94.7902, 110.1772



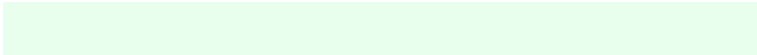
96.1231, 94.7902, 113.0345



96.5849, 94.7902, 96.5437

Sweetspot

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



84.3256, 94.7906, 93.9742



91.3423, 98.1982, 103.7732



89.7562, 97.6734, 90.4675



19.3440, 20.9179, 21.9243



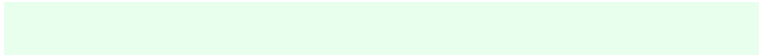
0.0000, 0.0000, 0.0000



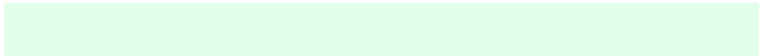
20.3446, 21.4041, 23.3091

Same Dimension

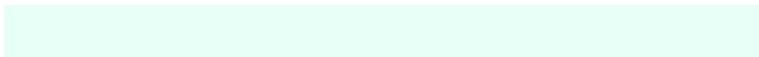
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3256, 94.7906, 93.9742



82.1377, 93.7287, 90.8894



86.0578, 95.4835, 103.0954



17.9332, 20.2328, 19.9511



19.0958, 37.5349, 8.3898



1.8976, 3.6700, 1.0189

Inverse Universe

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



87.3524, 85.8764, 102.4143



85.7790, 83.0042, 101.0425



85.6060, 85.1778, 93.2175



18.6136, 18.2288, 21.8485



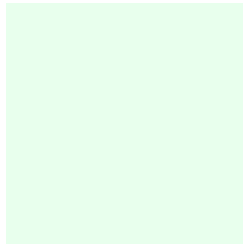
27.0273, 13.3002, 29.8578



2.6715, 1.3110, 3.1174

Previews

White Background



This preview shows how the XYZ color 84.3248, 94.7902, 93.9727 looks on a white background.

Color Contrast Check

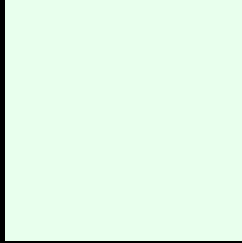
Large Text (above 18pt) WCAG AA × Fail

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 84.3248, 94.7902, 93.9727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

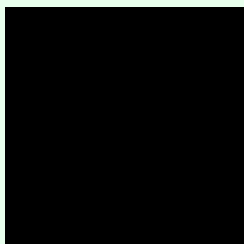
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

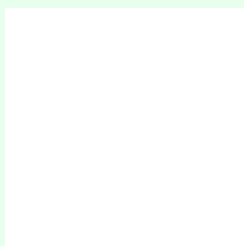
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3248, 94.7902, 93.9727

Background



This preview shows how black text looks on a background with the XYZ color 84.3248, 94.7902, 93.9727.



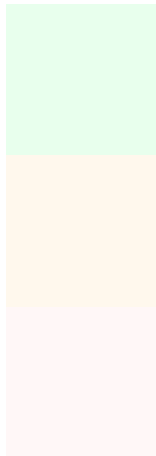
This preview shows how white text looks on a background with the XYZ color 84.3248, 94.7902,

93.9/27.

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

84.3248, 94.7902, 93.9727

Protanopia

90.0935, 94.5092, 93.6144

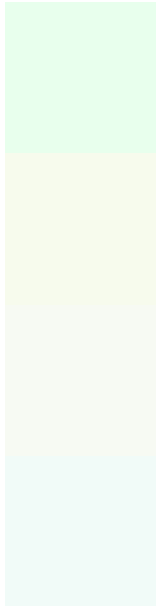
Deuteranopia

91.2893, 94.4969, 101.4240

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

84.3248, 94.7902, 93.9727

Protanomaly

88.1410, 94.8829, 93.7895

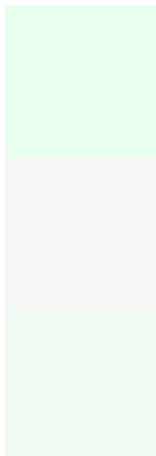
Deuteranomaly

88.7210, 94.6164, 98.3807

Tritanomaly

87.7161, 94.4724, 102.4188

Monochromacy



Original Color

84.3248, 94.7902, 93.9727

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 84.3248, 94.7902, 93.9727 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 84.3248, 94.7902, 93.9727 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, 237) }
```


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

```
.border{ border-color:rgb(232, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3248, 94.7902, 93.9727 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, 237) }
```

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

```
.background{ background-color: rgb(232,  
255, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor