

Converting Colors

XYZ(87.2468, 100.0000,
94.0036)

Have a look what the booklet for
XYZ(87.2468, 100.0000, 94.0036)
contains.

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Color

**XYZ(84.8320, 95.0686,
93.2358)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF FEC
RGB	234, 255, 236
RGB Percent	92%, 100%, 93%
CMY	0.0823, 0.0000, 0.0745
CMYK	0.08, 0.00, 0.07, 0.00
HSL	126°, 100%, 96%
HSV	126°, 8%, 100%
XYZ	84.8320, 95.0686, 93.2358
YIQ	246.5550, -6.4170, -10.3610

Conversions

Conversions Part 2

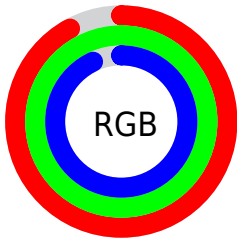
Format	Color
RYB	234, 253, 255
Decimal	15400940
CIELab	98.06, -10.24, 6.74
CIELCh	98, 12.255, 146.653
Yxy	95.0686, 0.3106, 0.3481
Android (android.graphics.Color)	4293591020 (0xFFEAFDEC)
YUV	246.5550, -5.2036, -11.0107
Hunter-Lab	97.5031, -15.3276, 11.5571

Details

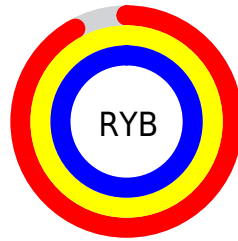
The XYZ color **84.8320, 95.0686, 93.2358** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3928, 87.1983, 105.1004**, and the grayscale version is **88.0909, 92.6785, 100.9268**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7924, 53.1484, 50.9725** is the 20% darker color. If you saturate the color by 10%, you get **73.9151, 89.8033, 76.3429**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

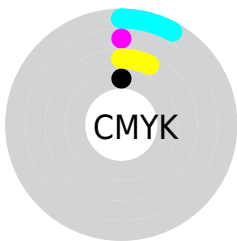
Distribution



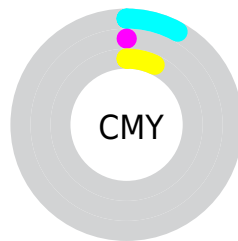
- Red (92%)
- Green (100%)
- Blue (93%)



- Red (92%)
- Yellow (99%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8320, 95.0686, 93.2358 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 84.8320, 95.0686, 93.2358 by changing the saturation by 10% instead.

84.8320, 95.0686,
93.2358

84.8320, 95.0686,
93.2358

499.5640,
544.3846, 559.3409

64.0246, 72.1921,
70.0788

139.0537,
154.3594, 153.7996

46.9324, 53.3156,
51.1135

173.1987,
191.5424, 192.0434

33.1899, 38.0548,
35.9216

212.5202,
234.2631, 236.1531

22.4319, 26.0252,
24.0845

257.3837,
282.9058, 286.5475

14.2930, 16.8425,
15.1835

308.1545,
337.8548, 343.6449

8.4078, 10.1223,
8.8002

365.1979,

4.4110, 5.4801,

399.4948, 407.8639

4.5161

428.8793,
468.2099, 479.6231

■ 1.9372, 2.5316,
1.9125

■ 0.5983, 0.8924,
0.5007

■ 84.8320, 95.0686,
93.2358

■ 84.8320, 95.0686,
93.2358

■ 73.9151, 89.8033,
76.3429

95.0500, 100.0000,
108.9000

■ 64.5678, 85.2991,
61.6964

■ 56.7183, 81.5209,
49.2030

■ 50.2885, 78.4307,
38.7611

■ 45.1933, 75.9868,
30.2611

■ 41.3381, 74.1433,
23.5832

■ 38.6163, 72.8477,
18.5941

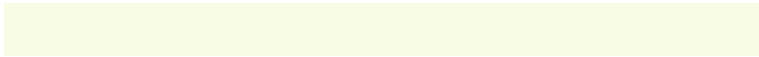
■ 36.9027, 72.0389,
15.1425

■ 36.0303, 71.6346,
13.0495

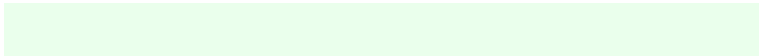
Harmonies

Analogous

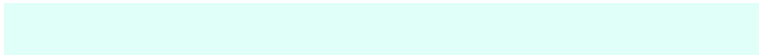
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3625, 95.0686, 87.1633



84.8320, 95.0686, 93.2358



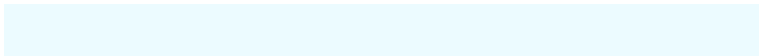
83.7807, 95.0686, 102.3877

Triad

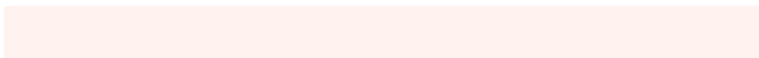
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8320, 95.0686, 93.2358



89.9659, 95.0686, 124.0591



96.5345, 95.0686, 95.0731

Complementary

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



84.8320, 95.0686, 93.2358



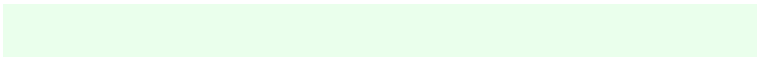
88.3928, 87.1983, 105.1004

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.



97.2747, 95.0686, 104.6476



84.8320, 95.0686, 93.2358



93.4250, 95.0686, 121.7903

Square

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



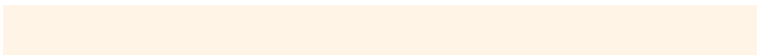
84.8320, 95.0686, 93.2358



86.6960, 95.0686, 120.5353



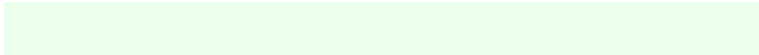
96.1228, 95.0686, 114.5201



94.1255, 95.0686, 88.1748

Rectangle

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



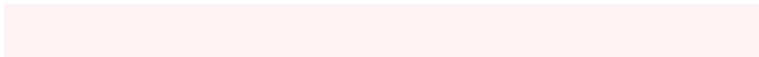
84.8320, 95.0686, 93.2358



84.0395, 95.0686, 109.1588



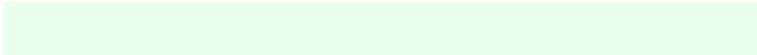
96.1228, 95.0686, 114.5201



96.9894, 95.0686, 98.0664

Sweetspot

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



84.8328, 95.0689, 93.2373



92.4644, 98.7519, 104.9476



91.2106, 98.3902, 92.0269



19.8183, 21.1500, 22.5045



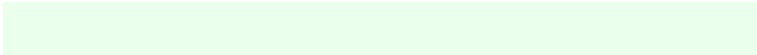
0.0000, 0.0000, 0.0000



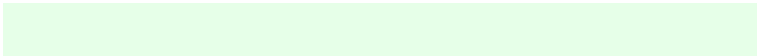
20.3446, 21.4041, 23.3091

Same Dimension

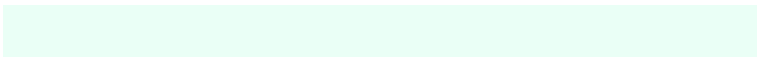
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8328, 95.0689, 93.2373



82.7883, 94.0826, 90.0875



86.3652, 95.6819, 101.3071



17.8418, 20.1963, 19.4701



18.7964, 37.4151, 6.8129



1.8526, 3.6520, 0.7816

Inverse Universe

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



88.3928, 87.1983, 105.1004



87.0592, 84.6403, 104.3191



86.8033, 86.5625, 96.7301



18.7137, 18.2688, 22.3753



29.0946, 14.1271, 40.7443



2.8537, 1.3838, 4.0767

Previews

White Background



This preview shows how the XYZ color 84.8320, 95.0686, 93.2358 looks on a white background.

Color Contrast Check

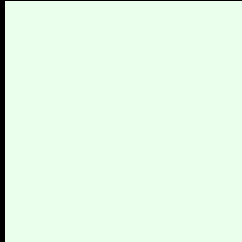
Large Text (above 18pt) WCAG AA × Fail

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 84.8320, 95.0686, 93.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

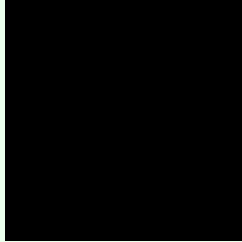
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

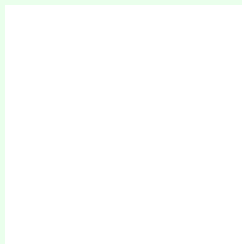
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.8320, 95.0686, 93.2358

Background



This preview shows how black text looks on a background with the XYZ color 84.8320, 95.0686, 93.2358.



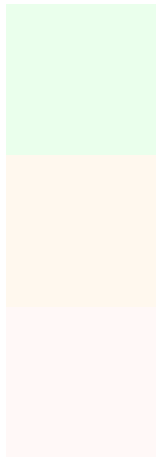
This preview shows how white text looks on a background with the XYZ color 84.8320, 95.0686,

93.2358.

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

84.8320, 95.0686, 93.2358

Protanopia

90.2400, 94.5678, 94.3862

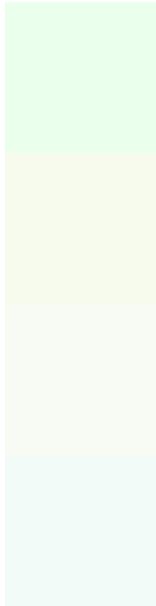
Deuteranopia

91.5959, 95.1102, 101.5262

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

84.8320, 95.0686, 93.2358

Protanomaly

88.1410, 94.8829, 93.7895

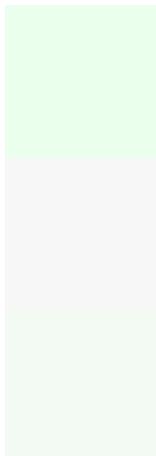
Deuteranomaly

89.0326, 95.2396, 98.4846

Tritanomaly

88.0584, 94.6489, 102.4348

Monochromacy



Original Color

84.8320, 95.0686, 93.2358

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

86.9812, 93.7195, 98.2993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8320, 95.0686, 93.2358 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(234, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 236)  
}
```

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(234, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 84.8320, 95.0686, 93.2358 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(234, 255, 236) }
```


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

```
.border{ border-color:rgb(234, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8320, 95.0686, 93.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 236) }
```

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

```
.background{ background-color: rgb(234,  
255, 236) }
```

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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