

Converting Colors

XYZ(84.0661, 94.9534, 80.5659)

Have a look what the booklet for
XYZ(84.0661, 94.9534, 80.5659)
contains.

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Color

**XYZ(84.0115, 94.9327,
80.2256)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFDA
RGB	239, 255, 218
RGB Percent	94%, 100%, 85%
CMY	0.0627, 0.0000, 0.1451
CMYK	0.06, 0.00, 0.15, 0.00
HSL	86°, 100%, 93%
HSV	86°, 15%, 100%
XYZ	84.0115, 94.9327, 80.2256
YIQ	245.9980, 2.3410, -14.8990

Conversions

Conversions Part 2

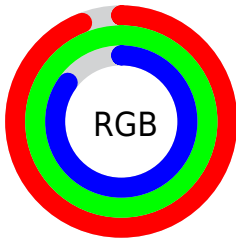
Format	Color
R _Y B	218, 255, 234
Decimal	15728602
CIE Lab	98.01, -11.56, 15.92
CIE LCh	98, 19.677, 125.979
Yxy	94.9327, 0.3242, 0.3663
Android (android.graphics.Color)	4293918682 (0xFFEFFFFDA)
YUV	245.9980, -13.8030, -6.1372
Hunter-Lab	97.4334, -16.5977, 19.3847

Details

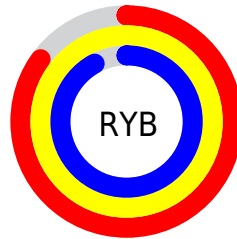
The XYZ color **84.0115, 94.9327, 80.2256** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.0539, 74.8564, 104.9953**, and the grayscale version is **87.7019, 92.2693, 100.4812**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3334, 53.0998, 42.4576** is the 20% darker color. If you saturate the color by 10%, you get **77.3169, 91.8378, 63.8127**, and if you desaturate by 10%, it is **91.4480, 98.3506, 99.3558**.

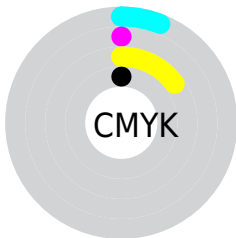
Distribution



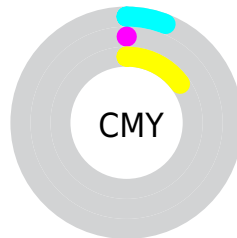
- Red (94%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0115, 94.9327, 80.2256 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 84.0115, 94.9327, 80.2256 by changing the saturation by 10% instead.


 84.0115, 94.9327,
80.2256

 84.0115, 94.9327,
80.2256


496.8845,
543.9495, 515.4196

 63.3447, 72.0790,
59.3768


137.9124,
154.1716, 135.4971

 46.3798, 53.2232,
42.4945


171.8773,
191.3256, 170.7569

 32.7515, 37.9810,
29.1602


211.0055,
234.0151, 211.6574

 22.0945, 25.9679,
18.9554

255.6624,
282.6245, 258.6171

 14.0433, 16.7996,
11.4616

306.2134,
337.5383, 312.0547

 8.2327, 10.0917,
6.2602

363.0239,

 4.2973, 5.4598,

399.1408, 372.3886

2.9326

426.4591,
467.8164, 440.0374

■ 1.8716, 2.5195,
1.0603

■ 0.5603, 0.8864,
0.0000

■ 84.0115, 94.9327,
80.2256

■ 84.0115, 94.9327,
80.2256

■ 77.3169, 91.8378,
63.8127

■ 91.4480, 98.3506,
99.3558

■ 71.3349, 89.0538,
49.9895

95.0500, 100.0000,
108.9000

■ 66.0367, 86.5685,
38.6245

■ 61.3907, 84.3690,
29.5728

■ 57.3622, 82.4407,
22.6746

■ 53.9124, 80.7677,
17.7496

■ 50.9969, 79.3317,
14.5881

■ 48.5622, 78.1106,
12.9329

■ 47.3898, 77.5154,
12.4643

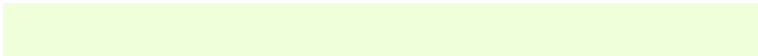
Harmonies

Analogous

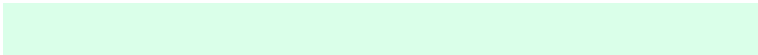
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1063, 94.9327, 75.4643



84.0115, 94.9327, 80.2256



80.6881, 94.9327, 91.2375

Triad

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



84.0115, 94.9327, 80.2256



85.8901, 94.9327, 134.3907



101.4456, 94.9327, 100.1655

Complementary

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



84.0115, 94.9327, 80.2256



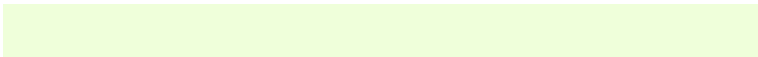
77.0539, 74.8564, 104.9953

Split Complementary

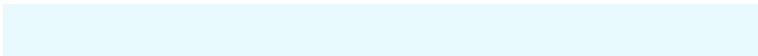
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.4974, 94.9327, 116.5235



84.0115, 94.9327, 80.2256



91.3645, 94.9327, 137.4142

Square

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



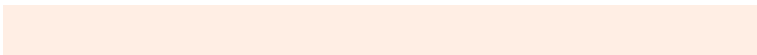
84.0115, 94.9327, 80.2256



81.7407, 94.9327, 122.6960



96.7495, 94.9327, 130.5753



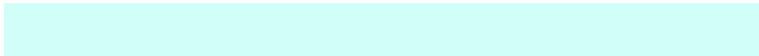
99.2891, 94.9327, 86.1801

Rectangle

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



84.0115, 94.9327, 80.2256



79.8446, 94.9327, 101.2043



96.7495, 94.9327, 130.5753



101.4805, 94.9327, 105.5574

Sweetspot

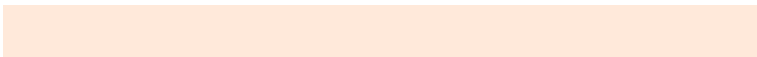
The Sweet Spot groups the original color and five complimentary colors.



84.0121, 94.9330, 80.2270



91.8467, 98.5334, 100.4042



83.1525, 84.8367, 78.3236



19.5330, 21.0324, 21.1595



0.0000, 0.0000, 0.0000



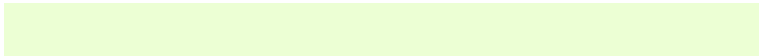
20.3446, 21.4041, 23.3091

Same Dimension

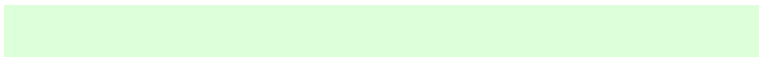
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0121, 94.9330, 80.2270



82.2761, 94.1323, 75.8890



78.2599, 91.9676, 79.9578



18.7584, 20.6769, 19.1467



24.9367, 40.5934, 6.5210



2.5533, 4.0170, 0.6408

Inverse Universe

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



77.0539, 74.8564, 104.9953



74.2663, 71.0207, 104.4018



83.2367, 78.0438, 105.2846



17.7480, 17.7618, 22.7429



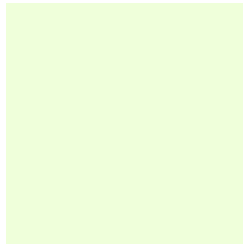
12.9725, 5.5980, 49.8314



1.3854, 0.6081, 4.8576

Previews

White Background



This preview shows how the XYZ color 84.0115, 94.9327, 80.2256 looks on a white background.

Color Contrast Check

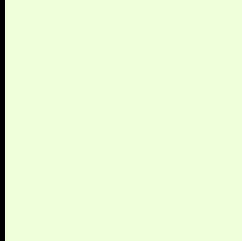
Large Text (above 18pt) WCAG AA × Fail

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 84.0115, 94.9327, 80.2256 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

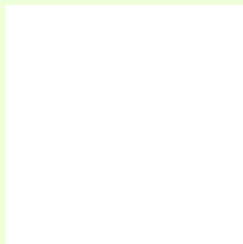
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0115, 94.9327, 80.2256

Background



This preview shows how black text looks on a background with the XYZ color 84.0115, 94.9327, 80.2256.

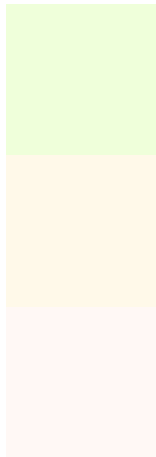


This preview shows how white text looks on a background with the XYZ color 84.0115, 94.9327,

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

84.0115, 94.9327, 80.2256

Protanopia

89.8237, 94.8946, 90.6731

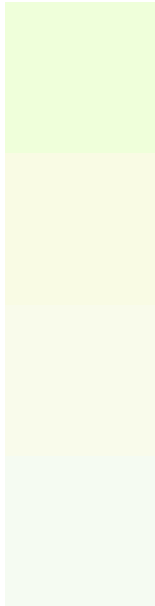
Deuteranopia

91.2888, 94.9874, 99.9092

Tritanopia

90.6371, 94.9278, 108.1536

Trichromacy



Original Color

84.0115, 94.9327, 80.2256

Protanomaly

87.5677, 94.7355, 87.0693

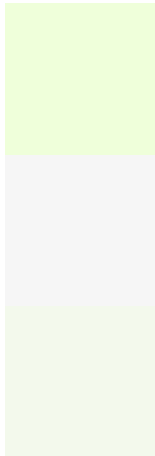
Deuteranomaly

88.5595, 95.1323, 92.2920

Tritanomaly

88.1804, 94.8176, 97.6584

Monochromacy



Original Color

84.0115, 94.9327, 80.2256

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

85.9782, 92.8622, 92.7495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0115, 94.9327, 80.2256 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(239, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 218)  
}
```

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(239, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 84.0115, 94.9327, 80.2256 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(239, 255, 218) }
```


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

```
.border{ border-color:rgb(239, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0115, 94.9327, 80.2256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 218) }
```

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

```
.background{ background-color: rgb(239,  
255, 218) }
```

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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