

Converting Colors

XYZ(86.8325, 100.0000,
83.1920)

Have a look what the booklet for
XYZ(86.8325, 100.0000, 83.1920)
contains.

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Color

**XYZ(84.4077, 95.0912,
82.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFD
RGB	239, 255, 221
RGB Percent	94%, 100%, 87%
CMY	0.0627, 0.0000, 0.1333
CMYK	0.06, 0.00, 0.13, 0.00
HSL	88°, 100%, 93%
HSV	88°, 13%, 100%
XYZ	84.4077, 95.0912, 82.3123
YIQ	246.3400, 1.3780, -13.9660

Conversions

Conversions Part 2

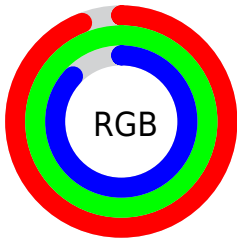
Format	Color
R_{YB}	221, 255, 237
Decimal	15728605
CIE _{Lab}	98.07, -11.08, 14.48
CIE _{LCh}	98, 18.233, 127.424
Yxy	95.0912, 0.3224, 0.3632
Android (android.graphics.Color)	4293918685 (0xFFEFFFDD)
YUV	246.3400, -12.4926, -6.4372
Hunter-Lab	97.5147, -16.1431, 18.2135

Details

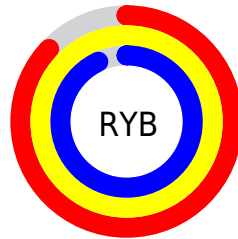
The XYZ color **84.4077, 95.0912, 82.3123** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **78.8324, 76.9387, 105.3035**, and the grayscale version is **87.9691, 92.5504, 100.7874**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6055, 53.2086, 43.8903** is the 20% darker color. If you saturate the color by 10%, you get **77.3460, 91.8139, 65.5732**, and if you desaturate by 10%, it is **92.2557, 98.7141, 101.7847**.

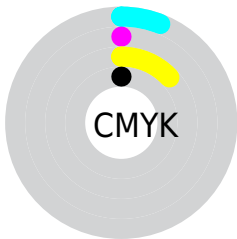
Distribution



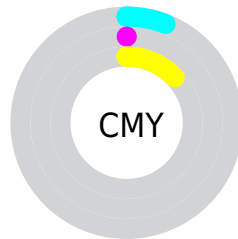
- Red (94%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.4077, 95.0912, 82.3123 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 84.4077, 95.0912, 82.3123 by changing the saturation by 10% instead.

84.4077, 95.0912,
82.3123

84.4077, 95.0912,
82.3123

498.1794,
544.4569, 522.6026

63.6729, 72.2109,
61.0857

138.4637,
154.3906, 138.4525

46.6465, 53.3310,
43.8633

172.5156,
191.5785, 174.2031

32.9631, 38.0670,
30.2267

211.7372,
234.3043, 215.6322

22.2573, 26.0347,
19.7572

256.4940,
282.9525, 263.1582

14.1637, 16.8496,
12.0363

307.1512,
337.9075, 317.1997

8.3171, 10.1273,
6.6456

364.0743,

4.3520, 5.4835,

399.5536, 378.1752

3.1664

427.6286,
468.2753, 446.5033

■ 1.9031, 2.5336,
1.1802

■ 0.5787, 0.8934,
0.0000

■ 84.4077, 95.0912,
82.3123

■ 84.4077, 95.0912,
82.3123

■ 77.3460, 91.8139,
65.5732

■ 92.2557, 98.7141,
101.7847

■ 71.0405, 88.8696,
51.4405

95.0500, 100.0000,
108.9000

■ 65.4614, 86.2456,
39.7841

■ 60.5760, 83.9284,
30.4605

■ 56.3487, 81.9031,
23.3119

■ 52.7400, 80.1530,
18.1605

■ 49.7047, 78.6594,
14.8010

■ 47.1890, 77.4002,
12.9830

■ 45.7517, 76.6709,
12.3876

Harmonies

Analogous

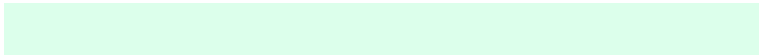
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0883, 95.0912, 77.5285



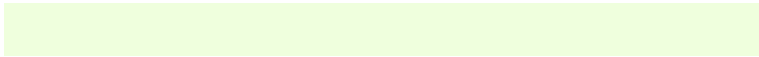
84.4077, 95.0912, 82.3123



81.4115, 95.0912, 92.8722

Triad

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



84.4077, 95.0912, 82.3123



86.5760, 95.0912, 132.4682



100.7227, 95.0912, 99.8617

Complementary

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



84.4077, 95.0912, 82.3123



78.8324, 76.9387, 105.3035

Split Complementary

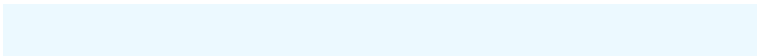
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.9870, 95.0912, 114.9909



84.4077, 95.0912, 82.3123



91.6868, 95.0912, 134.7976

Square

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



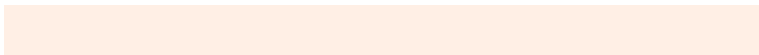
84.4077, 95.0912, 82.3123



82.6293, 95.0912, 122.0420



96.6304, 95.0912, 128.1312



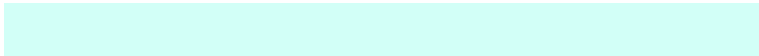
98.6037, 95.0912, 87.0061

Rectangle

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



84.4077, 95.0912, 82.3123



80.7044, 95.0912, 102.2495



96.6304, 95.0912, 128.1312



100.8024, 95.0912, 104.8376

Sweetspot

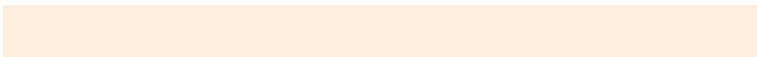
The Sweet Spot groups the original color and five complimentary colors.



84.4083, 95.0915, 82.3137



91.7070, 98.4613, 100.3977



84.5373, 86.9724, 80.7398



19.4976, 21.0142, 21.1579



0.0000, 0.0000, 0.0000



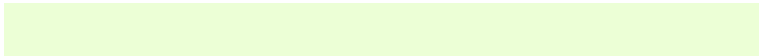
20.3446, 21.4041, 23.3091

Same Dimension

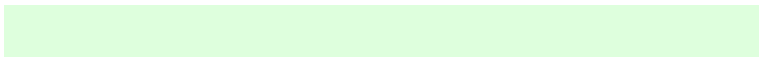
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4083, 95.0915, 82.3137



82.4489, 94.1839, 77.5861



78.9771, 92.2915, 82.0595



18.6897, 20.6414, 19.1435



24.0802, 40.1519, 6.4809



2.4708, 3.9745, 0.6369

Inverse Universe

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



78.8324, 76.9387, 105.3035



75.8822, 72.8055, 104.6612



84.7313, 79.9797, 105.5795



17.8159, 17.7968, 22.7461



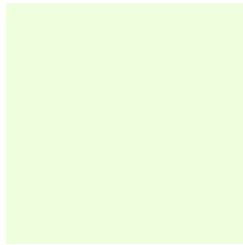
13.6480, 5.9463, 49.8630



1.4537, 0.6433, 4.8608

Previews

White Background



This preview shows how the XYZ color 84.4077, 95.0912, 82.3123 looks on a white background.

Color Contrast Check

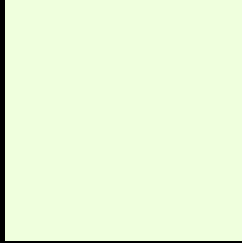
Large Text (above 18pt) WCAG AA × Fail

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 84.4077, 95.0912, 82.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

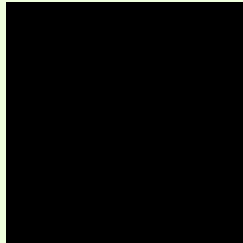
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

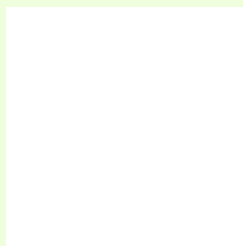
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.4077, 95.0912, 82.3123

Background



This preview shows how black text looks on a background with the XYZ color 84.4077, 95.0912, 82.3123.

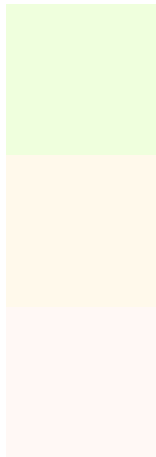


This preview shows how white text looks on a background with the XYZ color 84.4077, 95.0912,

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

84.4077, 95.0912, 82.3123

Protanopia

90.1111, 95.0095, 92.1866

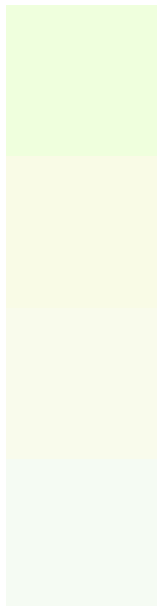
Deuteranopia

91.2888, 94.9874, 99.9092

Tritanopia

90.6371, 94.9278, 108.1536

Trichromacy



Original Color

84.4077, 95.0912, 82.3123

Protanomaly

87.8470, 94.8473, 88.5402

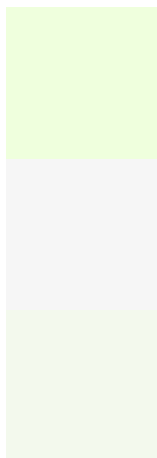
Deuteranomaly

88.7044, 95.1902, 93.0552

Tritanomaly

88.3310, 94.8779, 98.4517

Monochromacy



Original Color

84.4077, 95.0912, 82.3123

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.1239, 92.9205, 93.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4077, 95.0912, 82.3123 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 84.4077, 95.0912, 82.3123 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, 221) }
```


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

```
.border{ border-color:rgb(239, 255, 221) }
```

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, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4077, 95.0912, 82.3123 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, 221) }
```

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

```
.background{ background-color: rgb(239,  
255, 221) }
```

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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