

Converting Colors

XYZ(84.8323, 95.2158, 86.5883)

Have a look what the booklet for
XYZ(84.8323, 95.2158, 86.5883)
contains.

XYZ(84.8850, 95.2432, 86.5829)	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(84.8850, 95.2432,
86.5829)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFFE3
RGB	238, 255, 227
RGB Percent	93%, 100%, 89%
CMY	0.0667, 0.0000, 0.1098
CMYK	0.07, 0.00, 0.11, 0.00
HSL	96°, 100%, 95%
HSV	96°, 11%, 100%
XYZ	84.8850, 95.2432, 86.5829
YIQ	246.7250, -1.1440, -12.3120

Conversions

Conversions Part 2

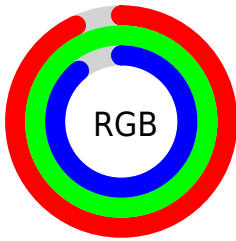
Format	Color
R_{YB}	227, 255, 244
Decimal	15663075
CIE _{Lab}	98.13, -10.44, 11.49
CIE _{LCh}	98, 15.520, 132.262
Yxy	95.2432, 0.3183, 0.3571
Android (android.graphics.Color)	4293853155 (0xFFEEFFE3)
YUV	246.7250, -9.7244, -7.6518
Hunter-Lab	97.5926, -15.5297, 15.7135

Details

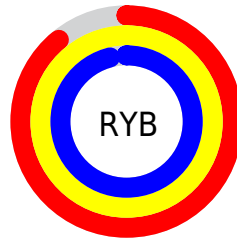
The XYZ color **84.8850, 95.2432, 86.5829** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **82.8281, 81.3925, 105.9525**, and the grayscale version is **88.2613, 92.8577, 101.1221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9319, 53.3118, 46.8464** is the 20% darker color. If you saturate the color by 10%, you get **76.6452, 91.3724, 69.1654**, and if you desaturate by 10%, it is **94.0946, 99.5536, 106.7695**.

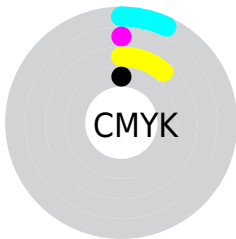
Distribution



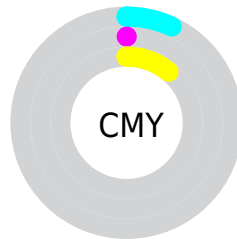
- Red (93%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.8850, 95.2432, 86.5829 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 84.8850, 95.2432, 86.5829 by changing the saturation by 10% instead.


 84.8850, 95.2432,
86.5829

 84.8850, 95.2432,
86.5829

499.7369,
544.9433, 537.1319

 64.0685, 72.3374,
64.5924

139.1273,
154.6005, 144.4764

 46.9681, 53.4343,
46.6814


173.2839,
191.8209, 181.2164

 33.2183, 38.1496,
32.4313


212.6180,
234.5816, 223.7101

 22.4537, 26.0988,
21.4236

257.4948,
283.2669, 272.3760

 14.3091, 16.8976,
13.2398

308.2797,
338.2614, 327.6326

 8.4191, 10.1615,
7.4612

365.3381,

 4.4183, 5.5062,

399.9493, 389.8984

3.6694

429.0354,
468.7151, 459.5920

■ 1.9414, 2.5472,
1.4458

■ 0.6007, 0.9002,
0.1770

■ 84.8850, 95.2432,
86.5829

■ 84.8850, 95.2432,
86.5829

■ 76.6452, 91.3724,
69.1654

■ 94.0946, 99.5536,
106.7695

■ 69.3391, 87.9254,
54.3920

■ 95.0500, 100.0000,
108.9000

■ 62.9312, 84.8867,
42.1345

■ 57.3827, 82.2393,
32.2521

■ 52.6518, 79.9651,
24.5904

■ 48.6923, 78.0440,
18.9766

■ 45.4526, 76.4539,
15.2124

■ 42.8729, 75.1690,
13.0601

■ 41.0353, 74.2395,
12.1669

Harmonies

Analogous

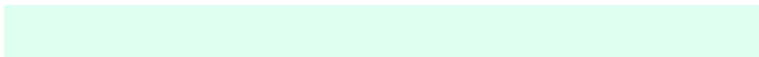
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7183, 95.2432, 81.5259



84.8850, 95.2432, 86.5829



82.6079, 95.2432, 96.4059

Triad

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



84.8850, 95.2432, 86.5829



87.9404, 95.2432, 128.8751



99.1592, 95.2432, 98.5790

Complementary

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



84.8850, 95.2432, 86.5829



82.8281, 81.3925, 105.9525

Split Complementary

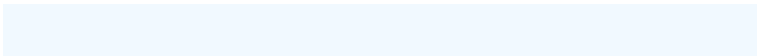
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.9342, 95.2432, 111.3607



84.8850, 95.2432, 86.5829



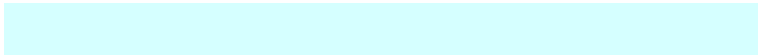
92.3577, 95.2432, 129.5777

Square

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



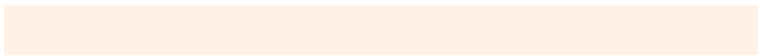
84.8850, 95.2432, 86.5829



84.3317, 95.2432, 121.0970



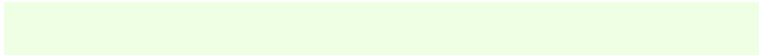
96.4111, 95.2432, 122.9445



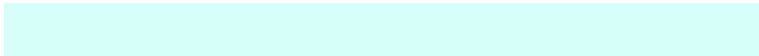
97.0160, 95.2432, 88.0610

Rectangle

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



84.8850, 95.2432, 86.5829



82.2315, 95.2432, 104.6752



96.4111, 95.2432, 122.9445



99.3599, 95.2432, 102.7381

Sweetspot

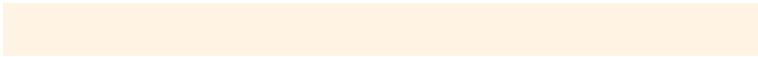
The Sweet Spot groups the original color and five complimentary colors.



84.8857, 95.2435, 86.5843



92.1544, 98.6467, 102.4628



87.3962, 91.3877, 85.7078



19.5624, 21.0385, 21.5724



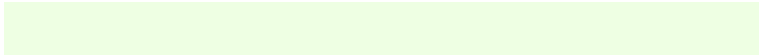
0.0000, 0.0000, 0.0000



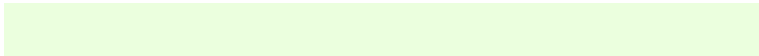
20.3446, 21.4041, 23.3091

Same Dimension

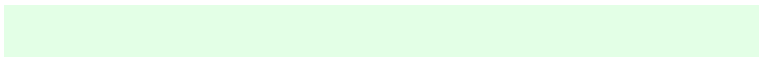
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8857, 95.2435, 86.5843



83.1438, 94.4265, 82.8459



81.6943, 93.5532, 88.4689



18.4466, 20.5161, 19.1321



21.5975, 38.8720, 6.3647



2.2213, 3.8459, 0.6253

Inverse Universe

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



82.8281, 81.3925, 105.9525



80.7414, 78.2560, 105.4571



86.3121, 83.2402, 103.7797



18.0615, 17.9234, 22.7576



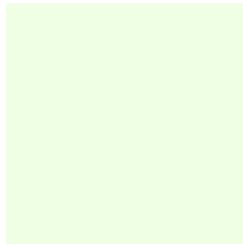
16.6494, 7.4936, 50.0035



1.7439, 0.7929, 4.8744

Previews

White Background



This preview shows how the XYZ color 84.8850, 95.2432, 86.5829 looks on a white background.

Color Contrast Check

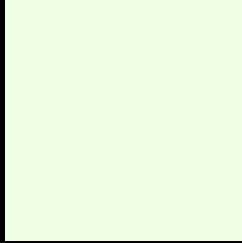
Large Text (above 18pt) WCAG AA × Fail

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 84.8850, 95.2432, 86.5829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

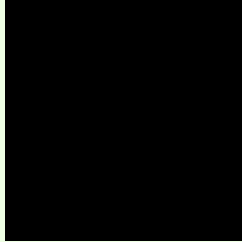
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

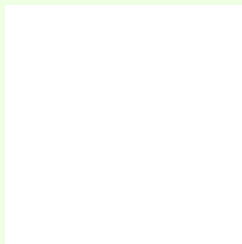
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.8850, 95.2432, 86.5829

Background



This preview shows how black text looks on a background with the XYZ color 84.8850, 95.2432, 86.5829.



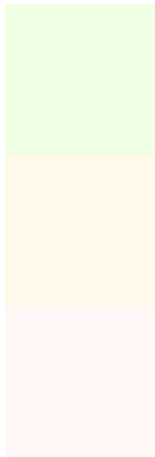
This preview shows how white text looks on a background with the XYZ color 84.8850, 95.2432,

86.5829.

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

84.8850, 95.2432, 86.5829

Protanopia

90.2560, 95.0675, 92.9497

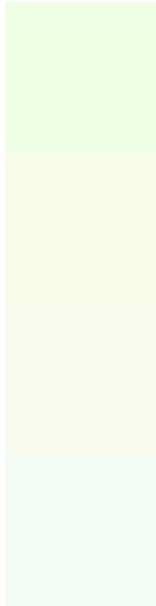
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

90.6371, 94.9278, 108.1536

Trichromacy



Original Color

84.8850, 95.2432, 86.5829

Protanomaly

88.2721, 95.0173, 90.7785

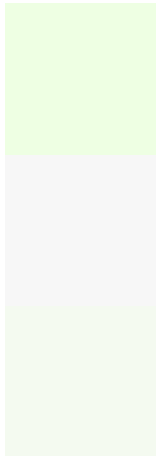
Deuteranomaly

89.1441, 95.3661, 95.3705

Tritanomaly

88.2868, 94.8200, 100.0351

Monochromacy



Original Color

84.8850, 95.2432, 86.5829

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.2220, 93.8956, 95.9646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8850, 95.2432, 86.5829 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(238, 255, 227) looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 227)  
}
```

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(238, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 84.8850, 95.2432, 86.5829 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(238, 255, 227) }
```


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

```
.border{ border-color:rgb(238, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(238, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8850, 95.2432, 86.5829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 227) }
```

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

```
.background{ background-color: rgb(238,  
255, 227) }
```

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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