

Converting Colors

XYZ(83.9973, 94.7863, 86.5071)

Have a look what the booklet for
XYZ(83.9973, 94.7863, 86.5071)
contains.

XYZ(83.8861, 94.7282, 86.5362)	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(83.8861, 94.7282,
86.5362)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFE3
RGB	235, 255, 227
RGB Percent	92%, 100%, 89%
CMY	0.0784, 0.0000, 0.1098
CMYK	0.08, 0.00, 0.11, 0.00
HSL	103°, 100%, 95%
HSV	103°, 11%, 100%
XYZ	83.8861, 94.7282, 86.5362
YIQ	245.8280, -2.9320, -12.9480

Conversions

Conversions Part 2

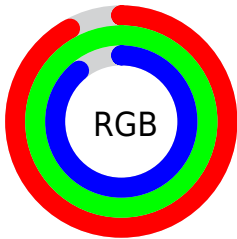
Format	Color
R _Y B	227, 255, 247
Decimal	15466467
CIE Lab	97.92, -11.45, 11.16
CIE LCh	98, 15.989, 135.713
Yxy	94.7282, 0.3164, 0.3573
Android (android.graphics.Color)	4293656547 (0xFFEBFFE3)
YUV	245.8280, -9.2822, -9.4962
Hunter-Lab	97.3284, -16.4779, 15.4142

Details

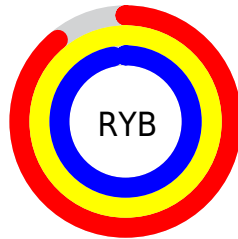
The XYZ color **83.8861, 94.7282, 86.5362** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **83.8776, 81.9335, 106.0017**, and the grayscale version is **87.5322, 92.0907, 100.2868**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2309, 52.9504, 46.8136** is the 20% darker color. If you saturate the color by 10%, you get **74.9138, 90.4798, 69.0845**, and if you desaturate by 10%, it is **93.9970, 99.5033, 106.7650**.

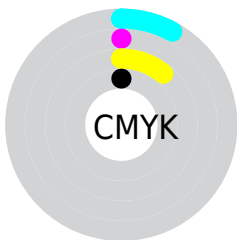
Distribution



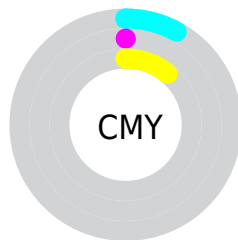
- Red (92%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8861, 94.7282, 86.5362 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 83.8861, 94.7282, 86.5362 by changing the saturation by 10% instead.

83.8861, 94.7282,
86.5362

83.8861, 94.7282,
86.5362

496.4743,
543.2945, 536.9742

63.2408, 71.9088,
64.5540

137.7379,
153.8890, 144.4107

46.2954, 53.0842,
46.6505

171.6751,
190.9993, 181.1400

32.6846, 37.8700,
32.4071

210.7737,
233.6419, 223.6222

22.0430, 25.8818,
21.4052

255.3990,
282.2012, 272.2757

14.0053, 16.7352,
13.2264

305.9163,
337.0618, 327.5192

8.2061, 10.0459,
7.4521

362.6911,

4.2800, 5.4294,

398.6079, 389.7710

3.6637

426.0886,
467.2240, 459.4499

■ 1.8617, 2.5013,
1.4427

■ 0.5544, 0.8773,
0.1747

■ 83.8861, 94.7282,
86.5362

■ 83.8861, 94.7282,
86.5362

■ 74.9138, 90.4798,
69.0845

■ 93.9970, 99.5033,
106.7650

■ 67.0367, 86.7384,
54.2843

■ 95.0500, 100.0000,
108.9000

■ 60.2115, 83.4846,
42.0072

■ 54.3914, 80.6972,
32.1121

■ 49.5256, 78.3535,
24.4441

■ 45.5584, 76.4285,
18.8299

■ 42.4278, 74.8945,
15.0709

■ 40.0621, 73.7200,
12.9286

■ 38.4968, 72.9309,
12.0481

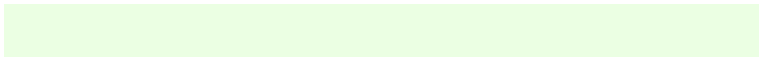
Harmonies

Analogous

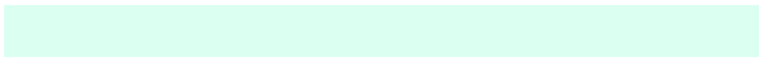
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6754, 94.7282, 80.7467



83.8861, 94.7282, 86.5362



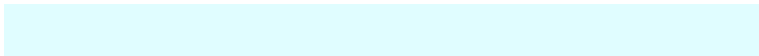
81.7796, 94.7282, 97.0512

Triad

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



83.8861, 94.7282, 86.5362



87.8833, 94.7282, 129.5278



98.7706, 94.7282, 96.4708

Complementary

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



83.8861, 94.7282, 86.5362



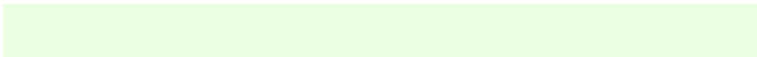
83.8776, 81.9335, 106.0017

Split Complementary

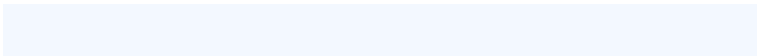
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.8309, 94.7282, 109.4844



83.8861, 94.7282, 86.5362



92.4392, 94.7282, 129.3390

Square

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



83.8861, 94.7282, 86.5362



84.0339, 94.7282, 122.2447



96.4800, 94.7282, 121.7489



96.3180, 94.7282, 86.1424

Rectangle

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



83.8861, 94.7282, 86.5362



81.5656, 94.7282, 105.6707



96.4800, 94.7282, 121.7489



99.0741, 94.7282, 100.6558

Sweetspot

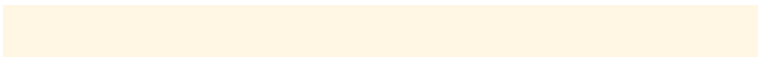
The Sweet Spot groups the original color and five complimentary colors.



83.8868, 94.7286, 86.5376



91.8607, 98.4954, 102.4491



88.2442, 93.0837, 85.9905



19.4834, 20.9977, 21.5687



0.0000, 0.0000, 0.0000



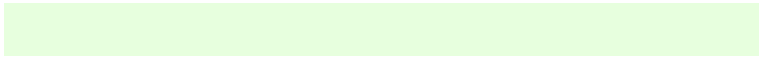
20.3446, 21.4041, 23.3091

Same Dimension

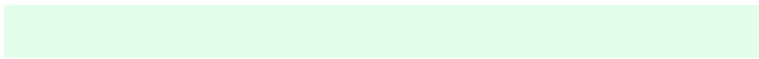
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8868, 94.7286, 86.5376



81.9836, 93.8283, 82.7916



82.0903, 93.7117, 90.5543



18.2589, 20.4194, 19.1233



20.2414, 38.1729, 6.3013



2.0728, 3.7693, 0.6183

Inverse Universe

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



83.8776, 81.9335, 106.0017



81.9723, 78.8906, 105.5147



85.8711, 83.0638, 101.4574



18.2573, 18.0244, 22.7667



19.6837, 9.0578, 50.1455



2.0242, 0.9374, 4.8875

Previews

White Background



This preview shows how the XYZ color 83.8861, 94.7282, 86.5362 looks on a white background.

Color Contrast Check

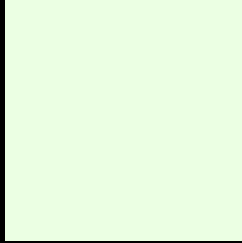
Large Text (above 18pt) WCAG AA × Fail

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 83.8861, 94.7282, 86.5362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

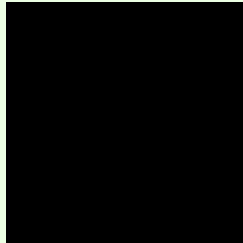
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

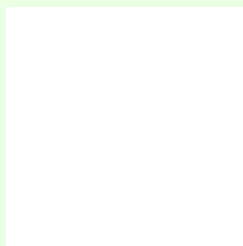
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.8861, 94.7282, 86.5362

Background



This preview shows how black text looks on a background with the XYZ color 83.8861, 94.7282, 86.5362.



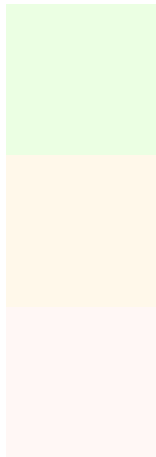
This preview shows how white text looks on a background with the XYZ color 83.8861, 94.7282,

86.5362.

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

83.8861, 94.7282, 86.5362

Protanopia

89.6587, 94.3353, 91.3249

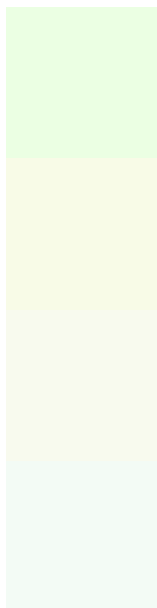
Deuteranopia

90.9822, 94.3741, 99.8069

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

83.8861, 94.7282, 86.5362

Protanomaly

87.6324, 94.7203, 89.2654

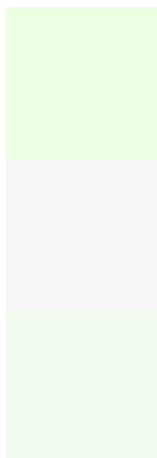
Deuteranomaly

88.3296, 94.5007, 94.4739

Tritanomaly

87.9408, 94.6416, 100.0189

Monochromacy



Original Color

83.8861, 94.7282, 86.5362

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.0736, 92.8606, 95.0487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8861, 94.7282, 86.5362 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(235, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 83.8861, 94.7282, 86.5362 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(235, 255, 227) }
```


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

```
.border{ border-color:rgb(235, 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(235, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8861, 94.7282, 86.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 227) }
```

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

```
.background{ background-color: rgb(235,  
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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