

Converting Colors

XYZ(82.6590, 94.0893, 86.7635)

Have a look what the booklet for
XYZ(82.6590, 94.0893, 86.7635)
contains.

XYZ(82.5801, 94.0550, 86.4750)	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(82.5801, 94.0550,
86.4750)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFE3
RGB	231, 255, 227
RGB Percent	91%, 100%, 89%
CMY	0.0941, 0.0000, 0.1098
CMYK	0.09, 0.00, 0.11, 0.00
HSL	111°, 100%, 95%
HSV	111°, 11%, 100%
XYZ	82.5801, 94.0550, 86.4750
YIQ	244.6320, -5.3160, -13.7960

Conversions

Conversions Part 2

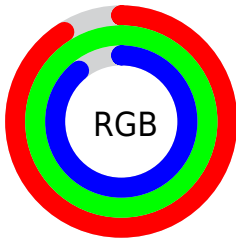
Format	Color
R_{YB}	227, 255, 251
Decimal	15204323
CIE _{Lab}	97.65, -12.78, 10.74
CIE _{LCh}	98, 16.696, 139.957
Yxy	94.0550, 0.3139, 0.3575
Android (android.graphics.Color)	4293394403 (0xFFE7FFE3)
YUV	244.6320, -8.6926, -11.9553
Hunter-Lab	96.9820, -17.7257, 15.0208

Details

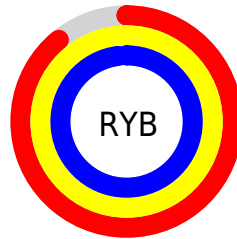
The XYZ color **82.5801, 94.0550, 86.4750** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **85.3035, 82.6685, 106.0684**, and the grayscale version is **86.5655, 91.0737, 99.1792**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3197, 52.4807, 46.7709** is the 20% darker color. If you saturate the color by 10%, you get **72.6970, 89.3370, 68.9806**, and if you desaturate by 10%, it is **93.8670, 99.4363, 106.7588**.

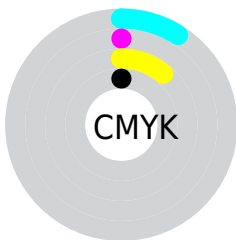
Distribution



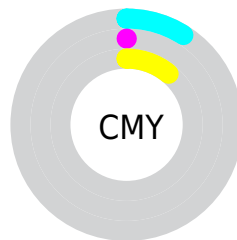
- Red (91%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.5801, 94.0550, 86.4750 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 82.5801, 94.0550, 86.4750 by changing the saturation by 10% instead.

 82.5801, 94.0550,
86.4750

 82.5801, 94.0550,
86.4750


492.1912,
541.1352, 536.7675

 62.1595, 71.3487,
64.5037


135.9188,
152.9584, 144.3246

 45.4177, 52.6268,
46.6100


169.5676,
189.9243, 181.0399

 31.9893, 37.5049,
32.3753


208.3566,
232.4122, 223.5070

 21.5088, 25.5987,
21.3811

252.6511,
280.8064, 272.1443

 13.6110, 16.5237,
13.2089

302.8165,
335.4915, 327.3705

 7.9305, 9.8955,
7.4402

359.2180,

 4.1019, 5.3297,

396.8517, 389.6041

3.6563

422.2211,
465.2715, 459.2636

■ 1.7600, 2.4420,
1.4387

■ 0.4934, 0.8474,
0.1717

■ 82.5801, 94.0550,
86.4750

■ 82.5801, 94.0550,
86.4750

■ 72.6970, 89.3370,
68.9806

■ 93.8670, 99.4363,
106.7588

■ 64.1603, 85.2556,
54.1497

■ 95.0500, 100.0000,
108.9000

■ 56.9120, 81.7836,
41.8528

■ 50.8887, 78.8915,
31.9481

■ 46.0218, 76.5472,
24.2801

■ 42.2358, 74.7156,
18.6744

■ 39.4457, 73.3572,
14.9313

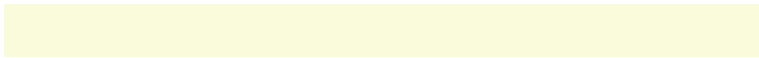
■ 37.5535, 72.4267,
12.8112

■ 36.5025, 71.9028,
11.9547

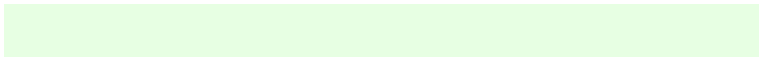
Harmonies

Analogous

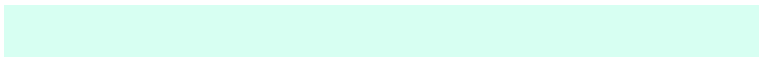
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3130, 94.0550, 79.7230



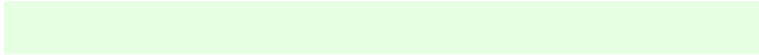
82.5801, 94.0550, 86.4750



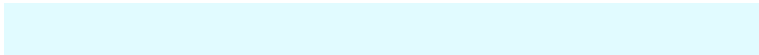
80.6950, 94.0550, 97.9124

Triad

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



82.5801, 94.0550, 86.4750



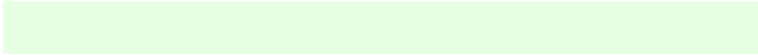
87.8119, 94.0550, 130.4085



98.2659, 94.0550, 93.7328

Complementary

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



82.5801, 94.0550, 86.4750



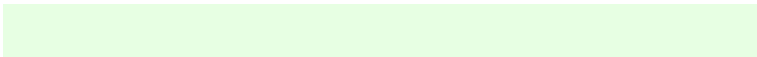
85.3035, 82.6685, 106.0684

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.



98.7020, 94.0550, 107.0431



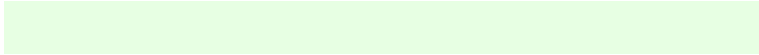
82.5801, 94.0550, 86.4750



92.5525, 94.0550, 129.0379

Square

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



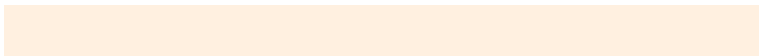
82.5801, 94.0550, 86.4750



83.6440, 94.0550, 123.7853



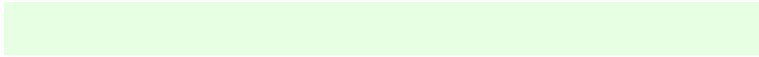
96.5779, 94.0550, 120.1912



95.4068, 94.0550, 83.6488

Rectangle

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



82.5801, 94.0550, 86.4750



80.6928, 94.0550, 107.0030



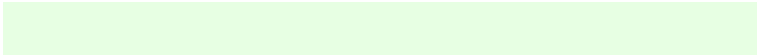
96.5779, 94.0550, 120.1912



98.7045, 94.0550, 97.9502

Sweetspot

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



82.5808, 94.0553, 86.4764



91.4712, 98.2945, 102.4308



89.5402, 95.6758, 86.4224



19.3786, 20.9437, 21.5638



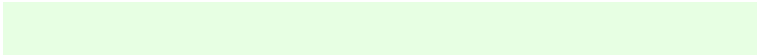
0.0000, 0.0000, 0.0000



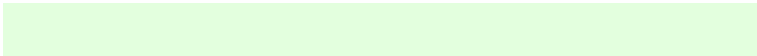
20.3446, 21.4041, 23.3091

Same Dimension

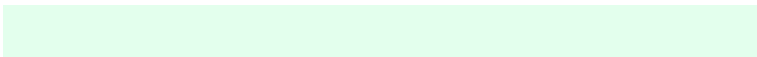
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5808, 94.0553, 86.4764



80.4726, 93.0494, 82.7209



82.6962, 93.9540, 93.7450



18.0129, 20.2926, 19.1118



19.1459, 37.6081, 6.2500



1.9333, 3.6974, 0.6118

Inverse Universe

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



85.3035, 82.6685, 106.0684



83.6507, 79.7558, 105.5933



85.2217, 82.8040, 98.0380



18.5226, 18.1611, 22.7792



24.7271, 11.6578, 50.3815



2.4744, 1.1695, 4.9086

Previews

White Background



This preview shows how the XYZ color 82.5801, 94.0550, 86.4750 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 82.5801, 94.0550, 86.4750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

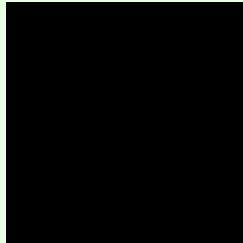
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

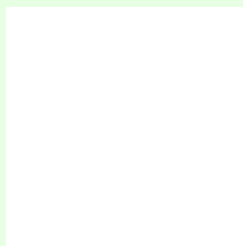
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.5801, 94.0550, 86.4750

Background



This preview shows how black text looks on a background with the XYZ color 82.5801, 94.0550, 86.4750.



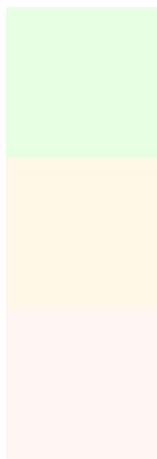
This preview shows how white text looks on a background with the XYZ color 82.5801, 94.0550,

86.4750.

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

82.5801, 94.0550, 86.4750

Protanopia

88.9246, 93.5511, 88.9716

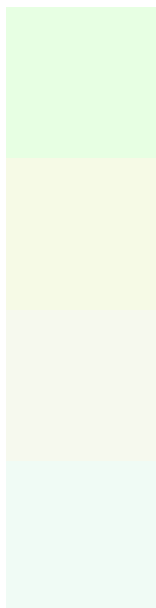
Deuteranopia

90.5249, 93.7032, 98.9033

Tritanopia

89.2736, 93.7673, 108.0014

Trichromacy



Original Color

82.5801, 94.0550, 86.4750

Protanomaly

86.4746, 93.6772, 88.3867

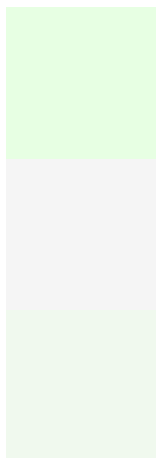
Deuteranomaly

87.3143, 93.5172, 94.3376

Tritanomaly

86.9138, 94.1122, 99.9708

Monochromacy



Original Color

82.5801, 94.0550, 86.4750

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.2435, 92.4497, 94.2407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.5801, 94.0550, 86.4750 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(231, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 82.5801, 94.0550, 86.4750 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(231, 255, 227) }
```


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

```
.border{ border-color:rgb(231, 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(231, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 82.5801, 94.0550, 86.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 227) }
```

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

```
.background{ background-color: rgb(231,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor