

Converting Colors

XYZ(83.4807, 93.9037, 88.9353)

Have a look what the booklet for
XYZ(83.4807, 93.9037, 88.9353)
contains.

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Color

**XYZ(83.3290, 93.9204,
88.5995)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FEE6
RGB	233, 254, 230
RGB Percent	91%, 100%, 90%
CMY	0.0863, 0.0039, 0.0980
CMYK	0.08, 0.00, 0.09, 0.00
HSL	113°, 92%, 95%
HSV	113°, 9%, 100%
XYZ	83.3290, 93.9204, 88.5995
YIQ	244.9850, -4.8120, -11.9160

Conversions

Conversions Part 2

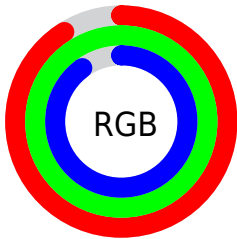
Format	Color
R _Y B	230, 254, 251
Decimal	15335142
CIE Lab	97.60, -11.11, 9.14
CIE LCh	98, 14.389, 140.546
Yxy	93.9204, 0.3134, 0.3533
Android (android.graphics.Color)	4293525222 (0xFFE9FEE6)
YUV	244.9850, -7.3876, -10.5108
Hunter-Lab	96.9125, -16.1160, 13.6346

Details

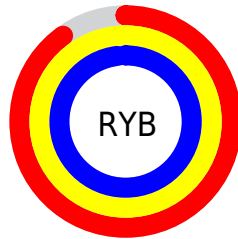
The XYZ color **83.3290, 93.9204, 88.5995** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9736, 84.2612, 105.5035**, and the grayscale version is **86.8415, 91.3641, 99.4955**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7377, 52.3356, 47.7355** is the 20% darker color. If you saturate the color by 10%, you get **73.2145, 89.0915, 70.8432**, and if you desaturate by 10%, it is **94.7336, 99.3673, 108.7945**.

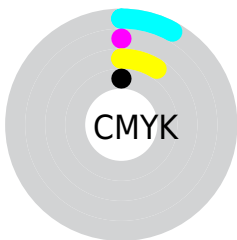
Distribution



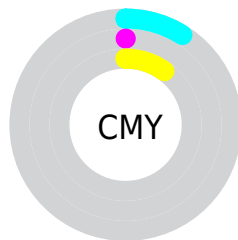
- Red (91%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (98%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3290, 93.9204, 88.5995 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 83.3290, 93.9204, 88.5995 by changing the saturation by 10% instead.


 83.3290, 93.9204,
88.5995

 83.3290, 93.9204,
88.5995


494.6497,
540.7030, 543.9166

 62.7794, 71.2368,
66.2525


136.9623,
152.7723, 147.3100

 45.9208, 52.5354,
48.0196


170.7767,
189.7092, 184.5105

 32.3877, 37.4320,
33.4823


209.7435,
232.1661, 227.4994

 21.8148, 25.5422,
22.2221

254.2279,
280.5273, 276.6950

 13.8367, 16.4815,
13.8203

304.5954,
335.1772, 332.5160

 8.0881, 9.8655,
7.8585

361.2113,

 4.2037, 5.3099,

396.5002, 395.3809

3.9180

424.4409,
464.8806, 465.7083

■ 1.8180, 2.4302,
1.5805

■ 0.5285, 0.8414,
0.2768

■ 83.3290, 93.9204,
88.5995

■ 83.3290, 93.9204,
88.5995

■ 73.2145, 89.0915,
70.8432

94.7336, 99.3673,
108.7945

■ 64.4750, 84.9112,
55.7457

■ 57.0532, 81.3555,
43.1809

■ 50.8845, 78.3942,
33.0100

■ 45.8992, 75.9945,
25.0810

■ 42.0205, 74.1205,
19.2245

■ 39.1621, 72.7321,
15.2469

■ 37.2250, 71.7830,
12.9182

■ 36.0773, 71.2130,
11.8841

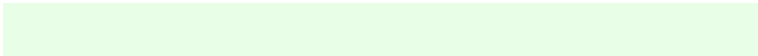
Harmonies

Analogous

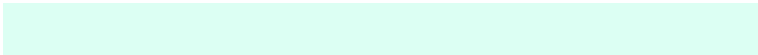
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5351, 93.9204, 82.5775



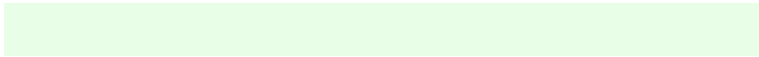
83.3290, 93.9204, 88.5995



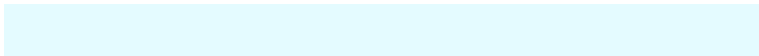
81.7287, 93.9204, 98.6057

Triad

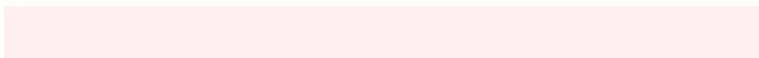
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3290, 93.9204, 88.5995



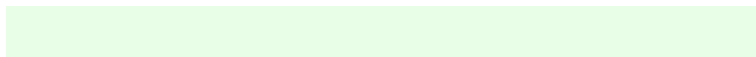
87.9821, 93.9204, 126.1451



96.8422, 93.9204, 94.5558

Complementary

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



83.3290, 93.9204, 88.5995



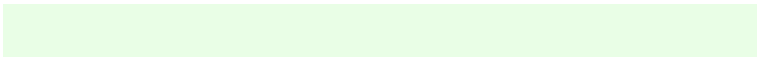
85.9736, 84.2612, 105.5035

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.



97.2584, 93.9204, 106.0104



83.3290, 93.9204, 88.5995



92.0590, 93.9204, 124.8528

Square

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



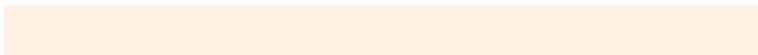
83.3290, 93.9204, 88.5995



84.3605, 93.9204, 120.6713



95.4838, 93.9204, 117.2644



94.3633, 93.9204, 85.8296

Rectangle

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



83.3290, 93.9204, 88.5995



81.7532, 93.9204, 106.4439



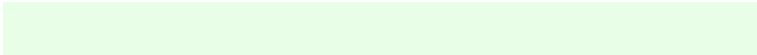
95.4838, 93.9204, 117.2644



97.2309, 93.9204, 98.1937

Sweetspot

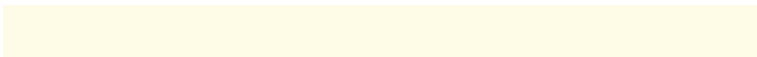
The Sweet Spot groups the original color and five complimentary colors.



83.3316, 93.9244, 88.6016



91.4225, 98.2695, 102.4285



89.5947, 95.6579, 88.6060



19.3655, 20.9370, 21.5631



0.0000, 0.0000, 0.0000



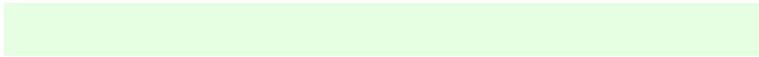
20.3446, 21.4041, 23.3091

Same Dimension

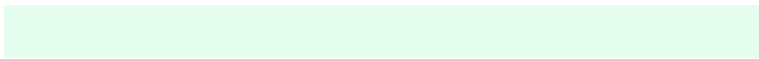
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3316, 93.9244, 88.6016



82.3976, 93.9617, 86.4305



83.6283, 93.9310, 95.2319



17.9824, 20.2768, 19.1104



19.0596, 37.5637, 6.2460



1.9190, 3.6901, 0.6111

Inverse Universe

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



85.9736, 84.2612, 105.5035



85.4676, 82.7321, 106.0720



85.6852, 84.2717, 98.2998



18.5561, 18.1784, 22.7807



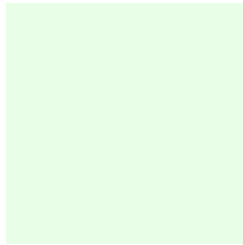
25.4423, 12.0265, 50.4150



2.5371, 1.2019, 4.9115

Previews

White Background



This preview shows how the XYZ color 83.3290, 93.9204, 88.5995 looks on a white background.

Color Contrast Check

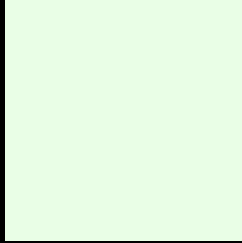
Large Text (above 18pt) WCAG AA × Fail

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 83.3290, 93.9204, 88.5995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

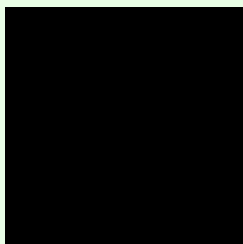
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

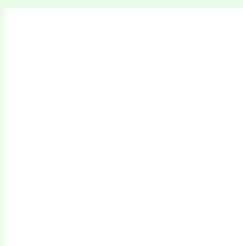
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3290, 93.9204, 88.5995

Background



This preview shows how black text looks on a background with the XYZ color 83.3290, 93.9204, 88.5995.



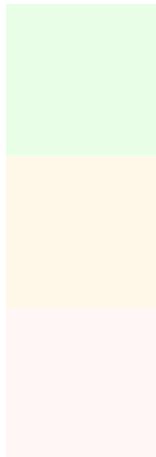
This preview shows how white text looks on a background with the XYZ color 83.3290, 93.9204,

88.5995.

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

83.3290, 93.9204, 88.5995

Protanopia

89.0663, 93.6077, 89.7177

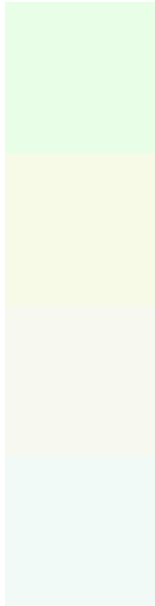
Deuteranopia

90.6772, 93.7641, 99.7053

Tritanopia

89.2736, 93.7673, 108.0014

Trichromacy



Original Color

83.3290, 93.9204, 88.5995

Protanomaly

86.9672, 93.9149, 89.1450

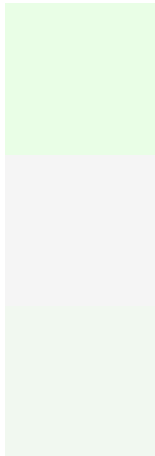
Deuteranomaly

87.9616, 93.8168, 95.9105

Tritanomaly

87.0958, 93.7258, 100.6892

Monochromacy



Original Color

83.3290, 93.9204, 88.5995

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.5712, 92.1268, 95.7102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3290, 93.9204, 88.5995 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(233, 254, 230) looks like.

```
.text, #text, p{  
    color:rgb(233, 254, 230)  
}
```

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(233, 254, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 254, 230) }
```

Border

The CSS property to change the border of an element to XYZ 83.3290, 93.9204, 88.5995 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(233, 254, 230) }
```


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

```
.border{ border-color:rgb(233, 254, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 254, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 254, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 254, 230);  
box-shadow:4px 4px 4px 4px rgb(233, 254,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3290, 93.9204, 88.5995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 254, 230) }
```

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

```
.background{ background-color: rgb(233,  
254, 230) }
```

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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