

Converting Colors

XYZ(84.2198, 94.9011, 86.5157)

Have a look what the booklet for
XYZ(84.2198, 94.9011, 86.5157)
contains.

XYZ(84.2172, 94.8989, 86.5516)	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(84.2172, 94.8989,
86.5516)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFE3
RGB	236, 255, 227
RGB Percent	93%, 100%, 89%
CMY	0.0745, 0.0000, 0.1098
CMYK	0.07, 0.00, 0.11, 0.00
HSL	101°, 100%, 95%
HSV	101°, 11%, 100%
XYZ	84.2172, 94.8989, 86.5516
YIQ	246.1270, -2.3360, -12.7360

Conversions

Conversions Part 2

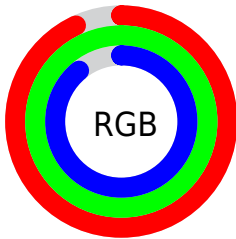
Format	Color
R _Y B	227, 255, 246
Decimal	15532003
CIE Lab	97.99, -11.11, 11.27
CIE LCh	98, 15.827, 134.588
Yxy	94.8989, 0.3170, 0.3572
Android (android.graphics.Color)	4293722083 (0xFFE3FFE3)
YUV	246.1270, -9.4296, -8.8814
Hunter-Lab	97.4161, -16.1630, 15.5136

Details

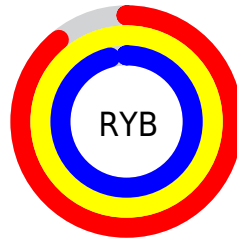
The XYZ color **84.2172, 94.8989, 86.5516** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **83.5258, 81.7521, 105.9852**, and the grayscale version is **87.7748, 92.3460, 100.5648**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4629, 53.0700, 46.8244** is the 20% darker color. If you saturate the color by 10%, you get **75.4844, 90.7740, 69.1111**, and if you desaturate by 10%, it is **94.0295, 99.5201, 106.7664**.

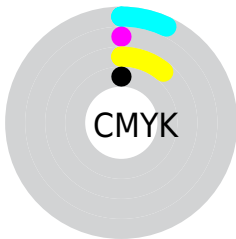
Distribution



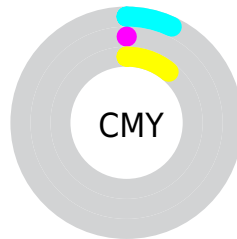
- Red (93%)
- Green (100%)
- Blue (89%)



- 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 84.2172, 94.8989, 86.5516 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 84.2172, 94.8989, 86.5516 by changing the saturation by 10% instead.


 84.2172, 94.8989,
86.5516

 84.2172, 94.8989,
86.5516


497.5570,
543.8413, 537.0262

 63.5151, 72.0508,
64.5667


138.1987,
154.1249, 144.4323

 46.5182, 53.2002,
46.6607


172.2087,
191.2717, 181.1652

 32.8613, 37.9626,
32.4151


211.3855,
233.9534, 223.6512

 22.1790, 25.9537,
21.4113

256.0942,
282.5546, 272.3088

 14.1058, 16.7890,
13.2308

306.7004,
337.4596, 327.5566

 8.2765, 10.0842,
7.4551

363.5694,

 4.3257, 5.4548,

399.0527, 389.8130

3.6656

427.0665,
467.7185, 459.4967

■ 1.8880, 2.5165,
1.4437

■ 0.5698, 0.8849,
0.1755

■ 84.2172, 94.8989,
86.5516

■ 84.2172, 94.8989,
86.5516

■ 75.4844, 90.7740,
69.1111

■ 94.0295, 99.5201,
106.7664

■ 67.7903, 87.1269,
54.3195

■ 95.0500, 100.0000,
108.9000

■ 61.0945, 83.9398,
42.0485

■ 55.3533, 81.1931,
32.1571

■ 50.5192, 78.8657,
24.4905

■ 46.5401, 76.9346,
18.8758

■ 43.3580, 75.3741,
15.1144

■ 40.9058, 74.1549,
12.9681

■ 39.2367, 73.3123,
12.0827

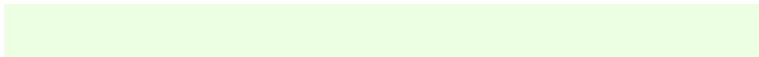
Harmonies

Analogous

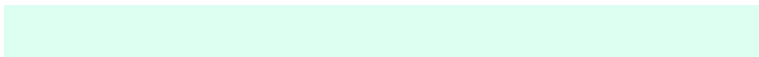
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0210, 94.8989, 81.0052



84.2172, 94.8989, 86.5516



82.0542, 94.8989, 96.8359

Triad

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



84.2172, 94.8989, 86.5516



87.9020, 94.8989, 129.3095



98.8992, 94.8989, 97.1683

Complementary

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



84.2172, 94.8989, 86.5516



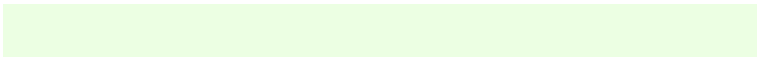
83.5258, 81.7521, 105.9852

Split Complementary

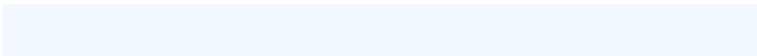
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.8647, 94.8989, 110.1055



84.2172, 94.8989, 86.5516



92.4117, 94.8989, 129.4174

Square

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



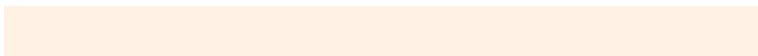
84.2172, 94.8989, 86.5516



84.1326, 94.8989, 121.8614



96.4566, 94.8989, 122.1449



96.5493, 94.8989, 86.7773

Rectangle

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



84.2172, 94.8989, 86.5516



81.7865, 94.8989, 105.3384



96.4566, 94.8989, 122.1449



99.1685, 94.8989, 101.3448

Sweetspot

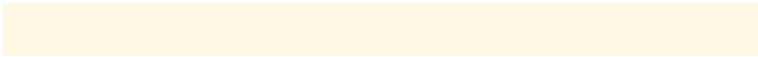
The Sweet Spot groups the original color and five complimentary colors.



84.2179, 94.8993, 86.5530



91.9585, 98.5457, 102.4536



87.9600, 92.5155, 85.8957



19.5097, 21.0113, 21.5699



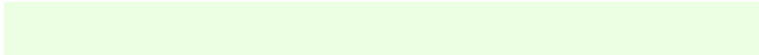
0.0000, 0.0000, 0.0000



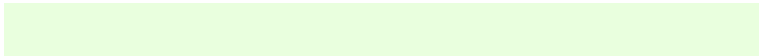
20.3446, 21.4041, 23.3091

Same Dimension

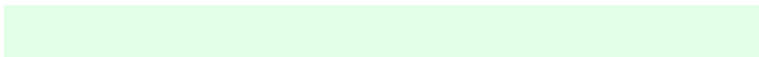
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2179, 94.8993, 86.5530



82.3678, 94.0264, 82.8096



81.9575, 93.6586, 89.8554



18.3212, 20.4515, 19.1262



20.6392, 38.3780, 6.3199



2.1179, 3.7926, 0.6204

Inverse Universe

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



83.5258, 81.7521, 105.9852



81.5593, 78.6777, 105.4954



86.0173, 83.1223, 102.2276



18.1917, 17.9905, 22.7637



18.6031, 8.5007, 50.0949



1.9255, 0.8865, 4.8829

Previews

White Background



This preview shows how the XYZ color 84.2172, 94.8989, 86.5516 looks on a white background.

Color Contrast Check

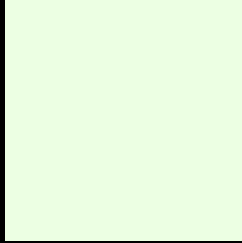
Large Text (above 18pt) WCAG AA × Fail

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 84.2172, 94.8989, 86.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

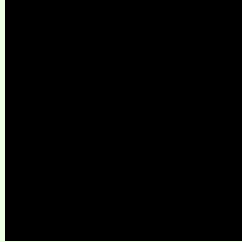
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

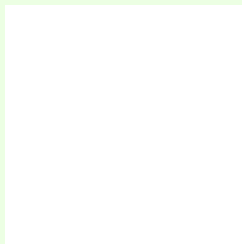
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2172, 94.8989, 86.5516

Background



This preview shows how black text looks on a background with the XYZ color 84.2172, 94.8989, 86.5516.



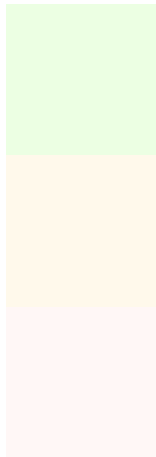
This preview shows how white text looks on a background with the XYZ color 84.2172, 94.8989,

86.5516.

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

84.2172, 94.8989, 86.5516

Protanopia

90.1111, 95.0095, 92.1866

Deuteranopia

91.1353, 94.4353, 100.6133

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

84.2172, 94.8989, 86.5516

Protanomaly

87.7741, 94.7770, 90.0115

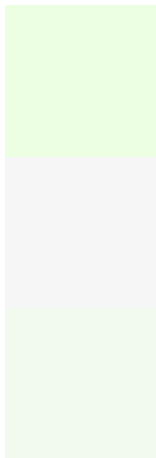
Deuteranomaly

88.4770, 94.5597, 95.2500

Tritanomaly

87.9408, 94.6416, 100.0189

Monochromacy



Original Color

84.2172, 94.8989, 86.5516

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 84.2172, 94.8989, 86.5516 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(236, 255, 227) looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 84.2172, 94.8989, 86.5516 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(236, 255, 227) }
```


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

```
.border{ border-color:rgb(236, 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(236, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2172, 94.8989, 86.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 227) }
```

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

```
.background{ background-color: rgb(236,  
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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