

Converting Colors

XYZ(86.7923, 96.0472, 94.7678)

Have a look what the booklet for
XYZ(86.7923, 96.0472, 94.7678)
contains.

XYZ(86.7892, 96.0438, 94.8529)	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(86.7892, 96.0438,
94.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFFEE
RGB	239, 255, 238
RGB Percent	94%, 100%, 93%
CMY	0.0627, 0.0000, 0.0667
CMYK	0.06, 0.00, 0.07, 0.00
HSL	116°, 100%, 97%
HSV	116°, 7%, 100%
XYZ	86.7892, 96.0438, 94.8529
YIQ	248.2780, -4.0790, -8.6790

Conversions

Conversions Part 2

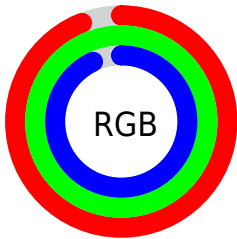
Format	Color
R _Y B	238, 255, 254
Decimal	15728622
CIE Lab	98.45, -8.24, 6.32
CIE LCh	98, 10.380, 142.528
Yxy	96.0438, 0.3125, 0.3459
Android (android.graphics.Color)	4293918702 (0xFFEFFFFE)
YUV	248.2780, -5.0671, -8.1368
Hunter-Lab	98.0019, -13.4262, 11.2165

Details

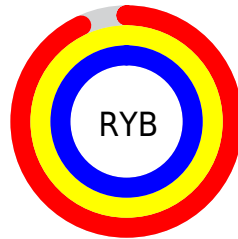
The XYZ color **86.7892, 96.0438, 94.8529** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.4983, 89.4410, 107.1545**, and the grayscale version is **89.4925, 94.1531, 102.5327**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1660, 53.8328, 52.1081** is the 20% darker color. If you saturate the color by 10%, you get **75.7317, 90.7461, 76.1440**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

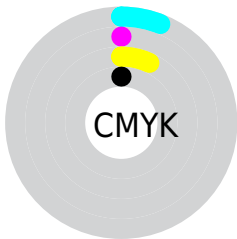
Distribution



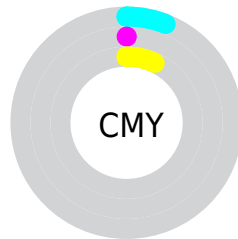
- Red (94%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7892, 96.0438, 94.8529 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 86.7892, 96.0438, 94.8529 by changing the saturation by 10% instead.


 86.7892, 96.0438,
94.8529

 86.7892, 96.0438,
94.8529


505.9249,
547.5012, 564.6663

 65.6482, 73.0040,
71.4163


141.7715,
155.7059, 156.0552

 48.2535, 53.9793,
52.1981


176.3434,
193.0970, 194.6580

 34.2398, 38.5851,
36.7797


216.1232,
236.0406, 239.1533

 23.2416, 26.4371,
24.7425

261.4759,
284.9212, 289.9597

 14.8937, 17.1509,
15.6680

312.7671,
340.1232, 347.4956

 8.8307, 10.3422,
9.1378

370.3621,

 4.6871, 5.6264,

402.0309, 412.1796

4.7331

434.6263,
471.0288, 484.4303

■ 2.0977, 2.6193,
2.0355

■ 0.6880, 0.9364,
0.5770

■ 86.7892, 96.0438,
94.8529

■ 86.7892, 96.0438,
94.8529

■ 75.7317, 90.7461,
76.1440

95.0500, 100.0000,
108.9000

■ 66.2158, 86.1844,
60.1600

■ 58.1738, 82.3265,
46.7752

■ 51.5317, 79.1372,
35.8522

■ 46.2095, 76.5786,
27.2412

■ 42.1190, 74.6087,
20.7757

■ 39.1609, 73.1805,
16.2675

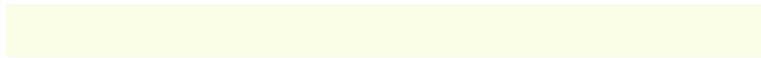
■ 37.2210, 72.2398,
13.4954

■ 36.1599, 71.7208,
12.1818

Harmonies

Analogous

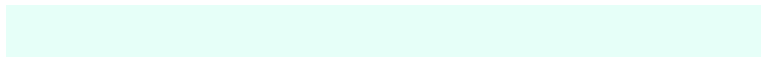
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0966, 96.0438, 90.0598



86.7892, 96.0438, 94.8529



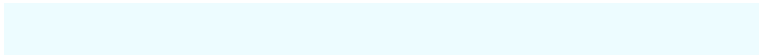
85.6915, 96.0438, 102.4439

Triad

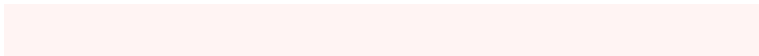
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7892, 96.0438, 94.8529



90.5394, 96.0438, 121.8072



96.7137, 96.0438, 98.3788

Complementary

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



86.7892, 96.0438, 94.8529



89.4983, 89.4410, 107.1545

Split Complementary

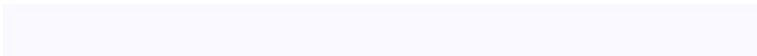
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1205, 96.0438, 106.7362



86.7892, 96.0438, 94.8529



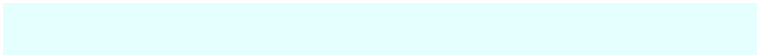
93.5125, 96.0438, 120.5724

Square

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



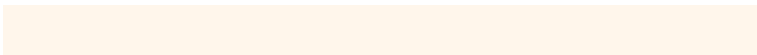
86.7892, 96.0438, 94.8529



87.8256, 96.0438, 118.2280



95.9371, 96.0438, 114.9405



94.8376, 96.0438, 92.0164

Rectangle

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



86.7892, 96.0438, 94.8529



85.7761, 96.0438, 108.1963



95.9371, 96.0438, 114.9405



97.0285, 96.0438, 101.0361

Sweetspot

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



86.7900, 96.0441, 94.8544



92.4957, 98.7768, 104.5511



92.0724, 98.2323, 94.9983



19.8246, 21.1551, 22.4238



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.



86.7900, 96.0441, 94.8544



85.2232, 95.2937, 92.1964



87.5581, 96.3125, 100.6562



17.8704, 20.2191, 19.1051



18.8267, 37.4436, 6.2351



1.8663, 3.6628, 0.6086

Inverse Universe

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



89.4983, 89.4410, 107.1545



88.4439, 87.4410, 106.8241



88.7016, 89.1647, 101.0451



18.6809, 18.2428, 22.7866



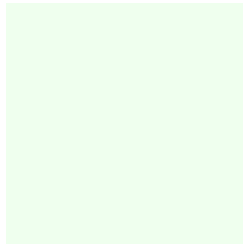
28.2546, 13.4763, 50.5466



2.7819, 1.3280, 4.9230

Previews

White Background



This preview shows how the XYZ color 86.7892, 96.0438, 94.8529 looks on a white background.

Color Contrast Check

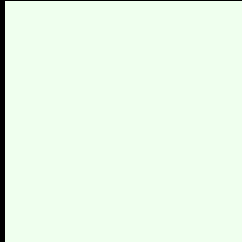
Large Text (above 18pt) WCAG AA × Fail

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 86.7892, 96.0438, 94.8529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

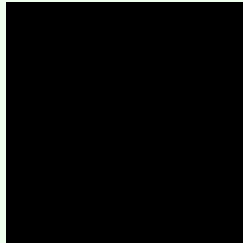
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

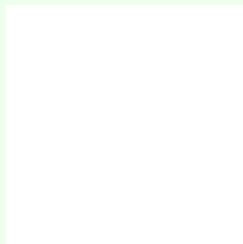
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.7892, 96.0438, 94.8529

Background



This preview shows how black text looks on a background with the XYZ color 86.7892, 96.0438, 94.8529.



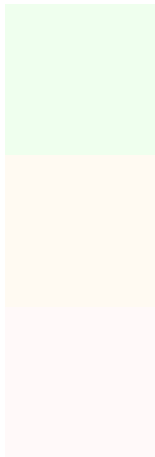
This preview shows how white text looks on a background with the XYZ color 86.7892, 96.0438,

94.8 29.

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

86.7892, 96.0438, 94.8529

Protanopia

91.4526, 96.0420, 97.7223

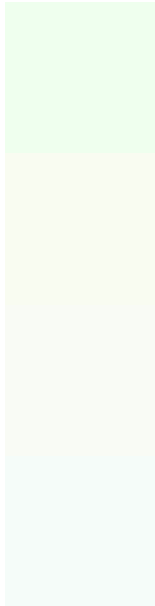
Deuteranopia

92.2146, 95.8509, 103.2634

Tritanopia

91.3025, 95.7310, 108.2735

Trichromacy



Original Color

86.7892, 96.0438, 94.8529

Protanomaly

89.7545, 96.1114, 97.0399

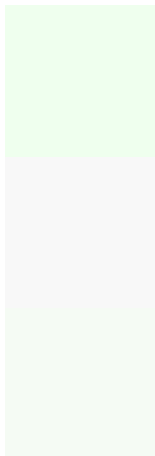
Deuteranomaly

90.0455, 95.7267, 100.1174

Tritanomaly

89.5655, 95.8728, 103.4072

Monochromacy



Original Color

86.7892, 96.0438, 94.8529

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.4825, 94.9385, 99.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7892, 96.0438, 94.8529 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(239, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 238)  
}
```

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(239, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 86.7892, 96.0438, 94.8529 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(239, 255, 238) }
```


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

```
.border{ border-color:rgb(239, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7892, 96.0438, 94.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 238) }
```

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

```
.background{ background-color: rgb(239,  
255, 238) }
```

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