

Converting Colors

XYZ(84.9479, 95.2068, 89.6955)

Have a look what the booklet for
XYZ(84.9479, 95.2068, 89.6955)
contains.

XYZ(84.7759, 95.1224, 89.4936)	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(84.7759, 95.1224,
89.4936)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFE7
RGB	236, 255, 231
RGB Percent	93%, 100%, 91%
CMY	0.0745, 0.0000, 0.0941
CMYK	0.07, 0.00, 0.09, 0.00
HSL	108°, 100%, 95%
HSV	108°, 9%, 100%
XYZ	84.7759, 95.1224, 89.4936
YIQ	246.5830, -3.6200, -11.4920

Conversions

Conversions Part 2

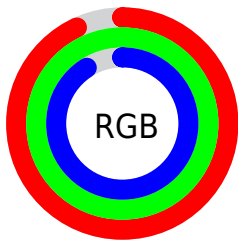
Format	Color
R _Y B	231, 255, 250
Decimal	15532007
CIE _{Lab}	98.08, -10.44, 9.35
CIE _{LCh}	98, 14.012, 138.143
Y _{xy}	95.1224, 0.3147, 0.3531
Android (android.graphics.Color)	4293722087 (0xFFE7FFE7)
Y _{UV}	246.5830, -7.6824, -9.2813
Hunter-Lab	97.5307, -15.5225, 13.8673

Details

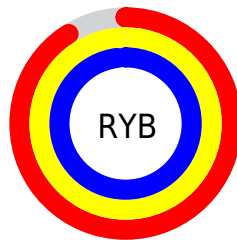
The XYZ color **84.7759, 95.1224, 89.4936** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0509, 84.6970, 106.4205**, and the grayscale version is **88.1315, 92.7212, 100.9733**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7543, 53.1866, 48.3593** is the 20% darker color. If you saturate the color by 10%, you get **75.1041, 90.5227, 71.5900**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

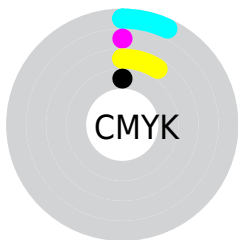
Distribution



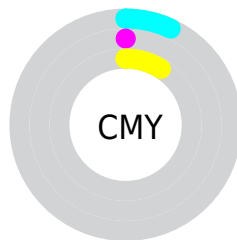
- Red (93%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (98%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.7759, 95.1224, 89.4936 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 84.7759, 95.1224, 89.4936 by changing the saturation by 10% instead.


 84.7759, 95.1224,
89.4936

 84.7759, 95.1224,
89.4936


499.3811,
544.5568, 546.9097

 63.9781, 72.2369,
66.9894


138.9757,
154.4337, 148.5641

 46.8946, 53.3522,
48.6144


173.1084,
191.6282, 185.9675

 33.1599, 38.0840,
33.9503


212.4167,
234.3612, 229.1744

 22.4088, 26.0479,
22.5784

257.2661,
283.0171, 278.6033

 14.2759, 16.8595,
14.0801

308.0219,
337.9801, 334.6727

 8.3958, 10.1343,
8.0370

365.0494,

 4.4031, 5.4881,

399.6348, 397.8012

4.0305

428.7140,
468.3656, 468.4074

■ 1.9326, 2.5364,
1.6421

■ 0.5957, 0.8948,
0.3206

■ 84.7759, 95.1224,
89.4936

■ 84.7759, 95.1224,
89.4936

■ 75.1041, 90.5227,
71.5900

95.0500, 100.0000,
108.9000

■ 66.6663, 86.5011,
56.3637

■ 59.4125, 83.0347,
43.6874

■ 53.2885, 80.0985,
33.4215

■ 48.2354, 77.6656,
25.4131

■ 44.1892, 75.7066,
19.4919

■ 41.0783, 74.1887,
15.4632

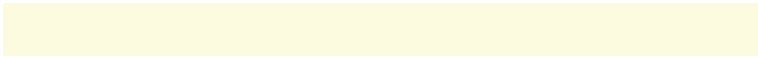
■ 38.8207, 73.0750,
13.0959

■ 37.3065, 72.3163,
12.0353

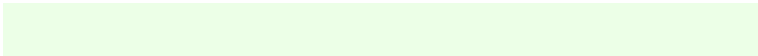
Harmonies

Analogous

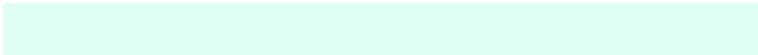
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0256, 95.1224, 83.9302



84.7759, 95.1224, 89.4936



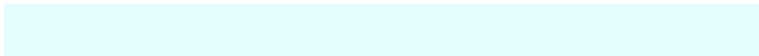
83.0562, 95.1224, 99.0906

Triad

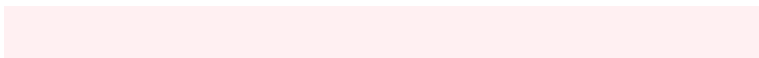
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7759, 95.1224, 89.4936



88.8323, 95.1224, 126.7793



97.9560, 95.1224, 96.8314

Complementary

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



84.7759, 95.1224, 89.4936



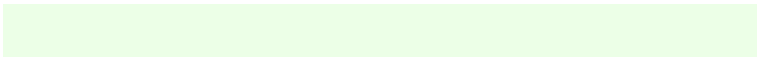
86.0509, 84.6970, 106.4205

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.



98.1876, 95.1224, 108.1868



84.7759, 95.1224, 89.4936



92.8391, 95.1224, 126.0618

Square

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



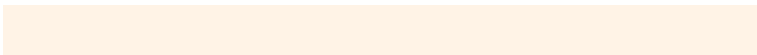
84.7759, 95.1224, 89.4936



85.3514, 95.1224, 120.9482



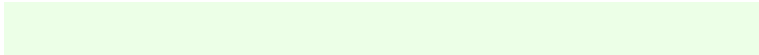
96.2904, 95.1224, 119.0547



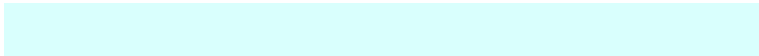
95.6667, 95.1224, 87.9455

Rectangle

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



84.7759, 95.1224, 89.4936



82.9741, 95.1224, 106.7392



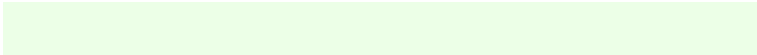
96.2904, 95.1224, 119.0547



98.2795, 95.1224, 100.4684

Sweetspot

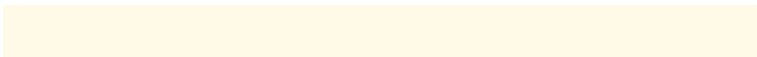
The Sweet Spot groups the original color and five complimentary colors.



84.7767, 95.1228, 89.4951



91.6495, 98.3864, 102.4392



89.7877, 95.2769, 89.2607



19.4265, 20.9684, 21.5660



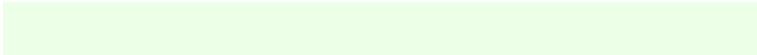
0.0000, 0.0000, 0.0000



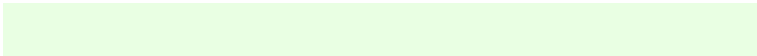
20.3446, 21.4041, 23.3091

Same Dimension

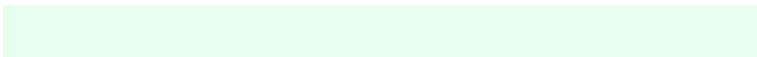
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7767, 95.1228, 89.4951



83.1552, 94.3522, 86.4659



84.1191, 94.6706, 94.5757



18.1251, 20.3504, 19.1171



19.5544, 37.8187, 6.2691



1.9895, 3.7264, 0.6144

Inverse Universe

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



86.0509, 84.6970, 106.4205



84.6281, 82.2993, 106.0327



86.7909, 85.2027, 100.8415



18.4004, 18.0981, 22.7734



22.2696, 10.3909, 50.2665



2.2569, 1.0574, 4.8984

Previews

White Background



This preview shows how the XYZ color 84.7759, 95.1224, 89.4936 looks on a white background.

Color Contrast Check

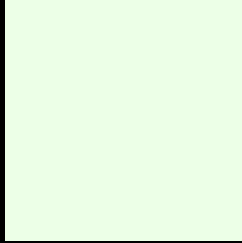
Large Text (above 18pt) WCAG AA × Fail

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 84.7759, 95.1224, 89.4936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

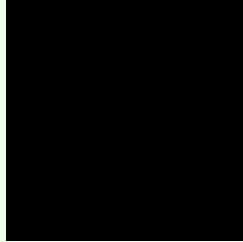
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

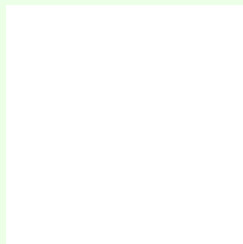
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.7759, 95.1224, 89.4936

Background



This preview shows how black text looks on a background with the XYZ color 84.7759, 95.1224, 89.4936.



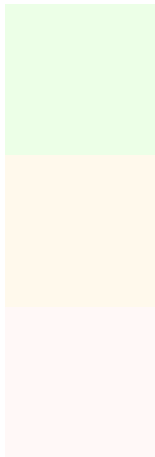
This preview shows how white text looks on a background with the XYZ color 84.7759, 95.1224,

89.4936.

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

84.7759, 95.1224, 89.4936

Protanopia

90.2560, 95.0675, 92.9497

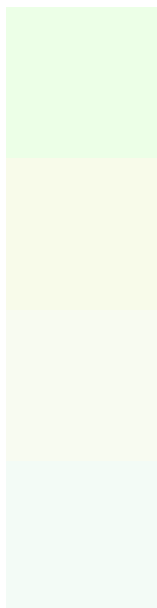
Deuteranopia

91.5959, 95.1102, 101.5262

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

84.7759, 95.1224, 89.4936

Protanomaly

88.0599, 94.8913, 91.5165

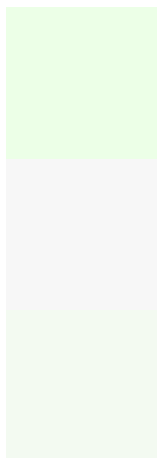
Deuteranomaly

89.0858, 95.3017, 96.9188

Tritanomaly

88.0939, 94.7029, 100.8252

Monochromacy



Original Color

84.7759, 95.1224, 89.4936

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.0249, 93.7768, 96.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7759, 95.1224, 89.4936 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 84.7759, 95.1224, 89.4936 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, 231) }
```


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

```
.border{ border-color:rgb(236, 255, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7759, 95.1224, 89.4936 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, 231) }
```

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

```
.background{ background-color: rgb(236,  
255, 231) }
```

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