

Converting Colors

XYZ(84.5209, 95.0391, 87.3060)

Have a look what the booklet for
XYZ(84.5209, 95.0391, 87.3060)
contains.

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Color

**XYZ(84.3557, 94.9543,
87.2808)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFE4
RGB	236, 255, 228
RGB Percent	93%, 100%, 89%
CMY	0.0745, 0.0000, 0.1059
CMYK	0.07, 0.00, 0.11, 0.00
HSL	102°, 100%, 95%
HSV	102°, 11%, 100%
XYZ	84.3557, 94.9543, 87.2808
YIQ	246.2410, -2.6570, -12.4250

Conversions

Conversions Part 2

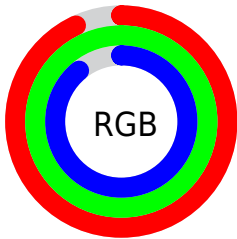
Format	Color
R _Y B	228, 255, 247
Decimal	15532004
CIE _{Lab}	98.02, -10.94, 10.79
CIE _{LCh}	98, 15.368, 135.401
Y _{xy}	94.9543, 0.3164, 0.3562
Android (android.graphics.Color)	4293722084 (0xFFE4FFE4)
Y _{UV}	246.2410, -8.9928, -8.9814
Hunter-Lab	97.4445, -16.0041, 15.1052

Details

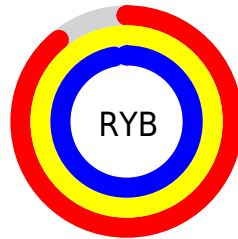
The XYZ color **84.3557, 94.9543, 87.2808** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **84.1519, 82.4821, 106.0931**, and the grayscale version is **87.8639, 92.4397, 100.6668**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5593, 53.1086, 47.3322** is the 20% darker color. If you saturate the color by 10%, you get **75.4108, 90.7223, 69.7258**, and if you desaturate by 10%, it is **94.4230, 99.7045, 107.6166**.

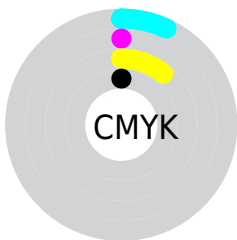
Distribution



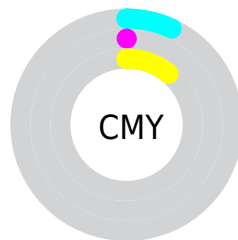
- Red (93%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (97%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.3557, 94.9543, 87.2808 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 84.3557, 94.9543, 87.2808 by changing the saturation by 10% instead.


 84.3557, 94.9543,
87.2808

 84.3557, 94.9543,
87.2808


498.0095,
544.0187, 539.4853

 63.6299, 72.0969,
65.1667


138.3913,
154.2015, 145.4578

 46.6115, 53.2379,
47.1440


172.4318,
191.3601, 182.3577

 32.9353, 37.9927,
32.7944


211.6412,
234.0545, 225.0233

 22.2359, 25.9770,
21.6991

256.3849,
282.6692, 273.8731

 14.1479, 16.8064,
13.4398

307.0282,
337.5886, 329.3257

 8.3060, 10.0966,
7.5978

363.9365,

 4.3448, 5.4630,

399.1971, 391.7995

3.7546

427.4752,
467.8789, 461.7132

■ 1.8990, 2.5214,
1.4917

■ 0.5763, 0.8873,
0.2118

■ 84.3557, 94.9543,
87.2808

■ 84.3557, 94.9543,
87.2808

■ 75.4108, 90.7223,
69.7258

94.4230, 99.7045,
107.6166

■ 67.5456, 86.9893,
54.8266

95.0500, 100.0000,
108.9000

■ 60.7180, 83.7363,
42.4549

■ 54.8822, 80.9428,
32.4703

■ 49.9885, 78.5865,
24.7184

■ 45.9827, 76.6433,
19.0271

■ 42.8042, 75.0862,
15.1986

■ 40.3833, 73.8844,
12.9970

■ 38.7054, 73.0384,
12.0578

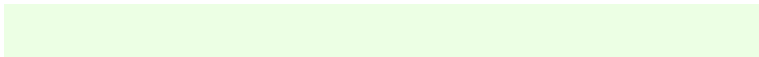
Harmonies

Analogous

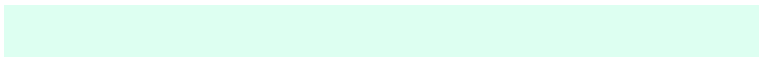
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0212, 94.9543, 81.7291



84.3557, 94.9543, 87.2808



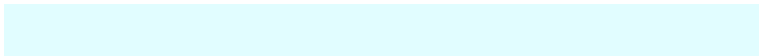
82.3032, 94.9543, 97.3969

Triad

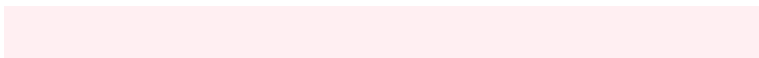
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3557, 94.9543, 87.2808



88.1339, 94.9543, 128.6747



98.6626, 94.9543, 97.0820

Complementary

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



84.3557, 94.9543, 87.2808



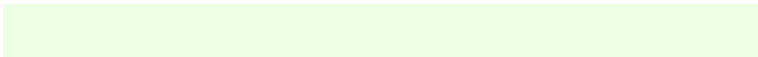
84.1519, 82.4821, 106.0931

Split Complementary

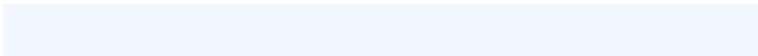
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.6952, 94.9543, 109.6221



84.3557, 94.9543, 87.2808



92.5185, 94.9543, 128.5731

Square

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



84.3557, 94.9543, 87.2808



84.4359, 94.9543, 121.6340



96.4152, 94.9543, 121.3665



96.3276, 94.9543, 87.0665

Rectangle

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



84.3557, 94.9543, 87.2808



82.0816, 94.9543, 105.6884



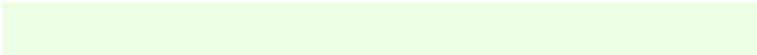
96.4152, 94.9543, 121.3665



98.9456, 94.9543, 101.1233

Sweetspot

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



84.3564, 94.9547, 87.2823



91.8897, 98.5103, 102.4504



88.4742, 93.3223, 86.7501



19.4911, 21.0018, 21.5690



0.0000, 0.0000, 0.0000



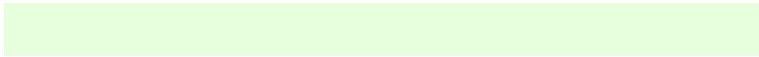
20.3446, 21.4041, 23.3091

Same Dimension

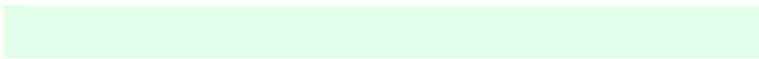
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3564, 94.9547, 87.2823



82.0972, 93.8869, 82.7969



82.5210, 93.9205, 91.1711



18.2774, 20.4289, 19.1242



20.3538, 38.2309, 6.3065



2.0857, 3.7760, 0.6189

Inverse Universe

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



84.1519, 82.4821, 106.0931



81.8496, 78.8273, 105.5090



86.1767, 83.6250, 101.7135



18.2378, 18.0143, 22.7658



19.3561, 8.8889, 50.1301



1.9944, 0.9221, 4.8861

Previews

White Background



This preview shows how the XYZ color 84.3557, 94.9543, 87.2808 looks on a white background.

Color Contrast Check

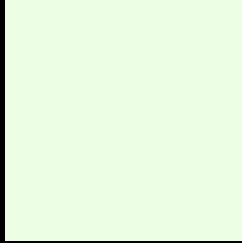
Large Text (above 18pt) WCAG AA × Fail

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 84.3557, 94.9543, 87.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

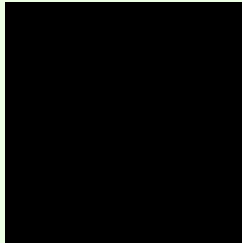
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

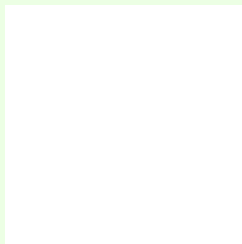
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3557, 94.9543, 87.2808

Background



This preview shows how black text looks on a background with the XYZ color 84.3557, 94.9543, 87.2808.



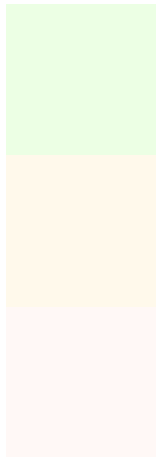
This preview shows how white text looks on a background with the XYZ color 84.3557, 94.9543,

87.2808.

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

84.3557, 94.9543, 87.2808

Protanopia

90.1111, 95.0095, 92.1866

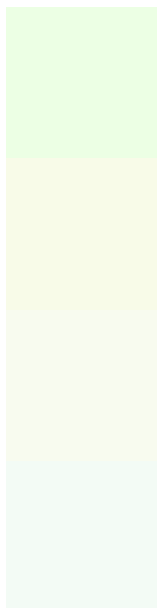
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

84.3557, 94.9543, 87.2808

Protanomaly

87.7741, 94.7770, 90.0115

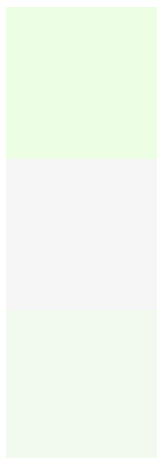
Deuteranomaly

88.7886, 95.1828, 95.3538

Tritanomaly

87.9408, 94.6416, 100.0189

Monochromacy



Original Color

84.3557, 94.9543, 87.2808

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 84.3557, 94.9543, 87.2808 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, 228) looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 84.3557, 94.9543, 87.2808 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, 228) }
```


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

```
.border{ border-color:rgb(236, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3557, 94.9543, 87.2808 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, 228) }
```

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

```
.background{ background-color: rgb(236,  
255, 228) }
```

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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