

Converting Colors

XYZ(83.6308, 94.4196, 94.5240)

Have a look what the booklet for
XYZ(83.6308, 94.4196, 94.5240)
contains.

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Color

**XYZ(83.8257, 94.5160,
94.7143)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFEE
RGB	230, 255, 238
RGB Percent	90%, 100%, 93%
CMY	0.0980, 0.0000, 0.0667
CMYK	0.10, 0.00, 0.07, 0.00
HSL	139°, 100%, 95%
HSV	139°, 10%, 100%
XYZ	83.8257, 94.5160, 94.7143
YIQ	245.5870, -9.4430, -10.5870

Conversions

Conversions Part 2

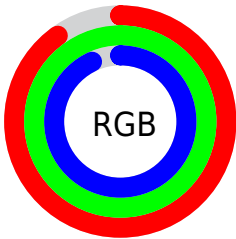
Format	Color
R _Y B	230, 249, 255
Decimal	15138798
CIE Lab	97.84, -11.19, 5.36
CIE LCh	98, 12.409, 154.429
Yxy	94.5160, 0.3070, 0.3461
Android (android.graphics.Color)	4293328878 (0xFFE6FFEE)
YUV	245.5870, -3.7404, -13.6698
Hunter-Lab	97.2193, -16.2253, 10.2913

Details

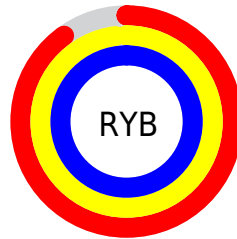
The XYZ color **83.8257, 94.5160, 94.7143** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.3257, 84.5699, 99.7692**, and the grayscale version is **87.2981, 91.8444, 100.0185**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0931, 52.7642, 52.0111** is the 20% darker color. If you saturate the color by 10%, you get **73.8058, 89.6309, 81.5818**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

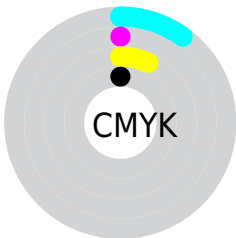
Distribution



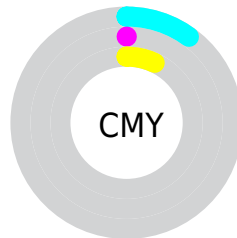
- Red (90%)
- Green (100%)
- Blue (93%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8257, 94.5160, 94.7143 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 83.8257, 94.5160, 94.7143 by changing the saturation by 10% instead.


 83.8257, 94.5160,
94.7143

 83.8257, 94.5160,
94.7143


496.2767,
542.6143, 564.2109

 63.1908, 71.7322,
71.3016


137.6539,
153.5958, 155.8620

 46.2548, 52.9400,
52.1050


171.5778,
190.6605, 194.4342

 32.6524, 37.7548,
36.7060


210.6621,
233.2544, 238.8965

 22.0182, 25.7925,
24.6859

255.2721,
281.7618, 289.6677

 13.9870, 16.6684,
15.6263

305.7732,
336.5671, 347.1662

 8.1933, 9.9984,
9.1086

362.5308,

 4.2717, 5.3979,

398.0547, 411.8105

4.7143

425.9101,
466.6090, 484.0192

■ 1.8570, 2.4826,
2.0249

■ 0.5516, 0.8679,
0.5705

■ 83.8257, 94.5160,
94.7143

■ 83.8257, 94.5160,
94.7143

■ 73.8058, 89.6309,
81.5818

95.0500, 100.0000,
108.9000

■ 65.1689, 85.4311,
69.7575

■ 57.8530, 81.8857,
59.2022

■ 51.7905, 78.9606,
49.8731

■ 46.9073, 76.6185,
41.7254

■ 43.1215, 74.8182,
34.7109

■ 40.3397, 73.5125,
28.7784

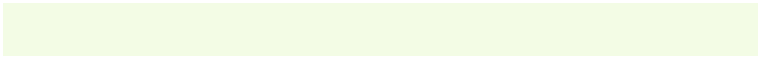
■ 38.4520, 72.6460,
23.8724

■ 37.2874, 72.1317,
19.9302

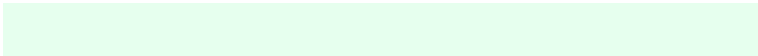
Harmonies

Analogous

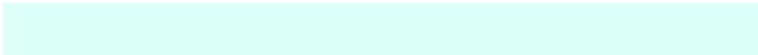
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0360, 94.5160, 87.6364



83.8257, 94.5160, 94.7143



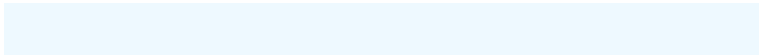
83.2092, 94.5160, 104.4265

Triad

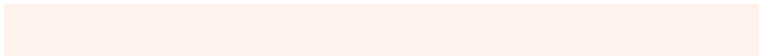
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8257, 94.5160, 94.7143



90.3619, 94.5160, 123.6258



95.5745, 94.5160, 92.2656

Complementary

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



83.8257, 94.5160, 94.7143



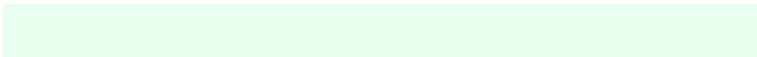
86.3257, 84.5699, 99.7692

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.



96.8028, 94.5160, 101.4119



83.8257, 94.5160, 94.7143



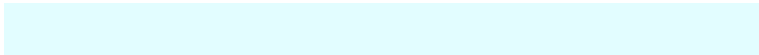
93.7435, 94.5160, 119.8666

Square

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



83.8257, 94.5160, 94.7143



86.9247, 94.5160, 121.5429



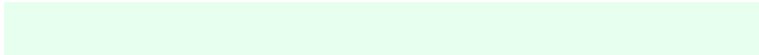
96.1241, 94.5160, 111.5693



92.8088, 94.5160, 86.2892

Rectangle

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



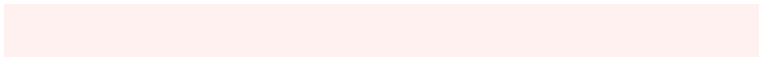
83.8257, 94.5160, 94.7143



83.7709, 94.5160, 111.1973



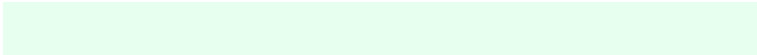
96.1241, 94.5160, 111.5693



96.1842, 94.5160, 95.0485

Sweetspot

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



83.8265, 94.5164, 94.7158



91.4650, 98.2473, 104.4196



88.4305, 97.0227, 88.9305



19.3770, 20.9311, 22.0983



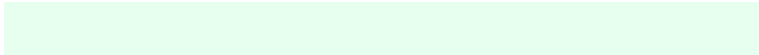
0.0000, 0.0000, 0.0000



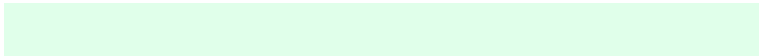
20.3446, 21.4041, 23.3091

Same Dimension

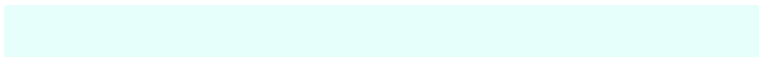
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8265, 94.5164, 94.7158



81.5036, 93.3829, 91.7164



85.7144, 95.2716, 104.6573



18.0111, 20.2640, 20.3615



19.5333, 37.7099, 10.6934



1.9492, 3.6906, 1.2904

Inverse Universe

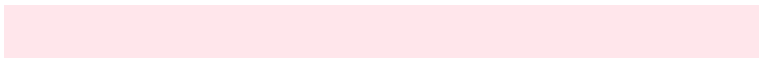
The Inverse Universe completely reimagines the original color for something new.



86.3257, 84.5699, 99.7692



84.5163, 81.3918, 97.8076



84.4727, 83.8287, 90.0113



18.5308, 18.1956, 21.4123



25.5810, 12.7217, 22.2416



2.5406, 1.2586, 2.4281

Previews

White Background



This preview shows how the XYZ color 83.8257, 94.5160, 94.7143 looks on a white background.

Color Contrast Check

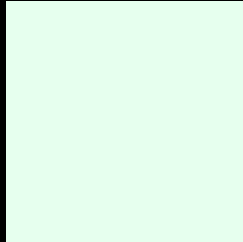
Large Text (above 18pt) WCAG AA × Fail

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 83.8257, 94.5160, 94.7143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

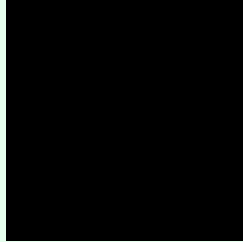
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

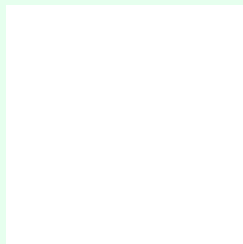
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.8257, 94.5160, 94.7143

Background



This preview shows how black text looks on a background with the XYZ color 83.8257, 94.5160, 94.7143.



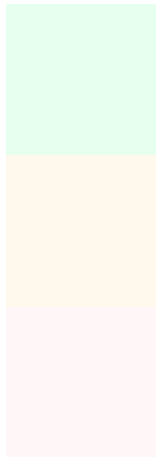
This preview shows how white text looks on a background with the XYZ color 83.8257, 94.5160,

94.743.

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

83.8257, 94.5160, 94.7143

Protanopia

89.9477, 94.4509, 92.8470

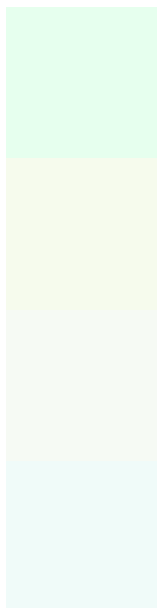
Deuteranopia

91.2893, 94.4969, 101.4240

Tritanopia

89.5819, 94.3838, 108.1042

Trichromacy



Original Color

83.8257, 94.5160, 94.7143

Protanomaly

87.7893, 94.7016, 93.7730

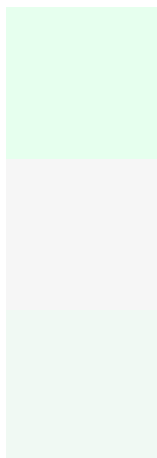
Deuteranomaly

88.5208, 94.4957, 99.1619

Tritanomaly

87.5312, 94.3592, 103.2223

Monochromacy



Original Color

83.8257, 94.5160, 94.7143

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

85.9885, 92.7477, 98.1640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8257, 94.5160, 94.7143 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(230, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 83.8257, 94.5160, 94.7143 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(230, 255, 238) }
```


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

```
.border{ border-color:rgb(230, 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(230, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8257, 94.5160, 94.7143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 238) }
```

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

```
.background{ background-color: rgb(230,  
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](#).

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