

Converting Colors

XYZ(83.4788, 94.3587, 93.7235)

Have a look what the booklet for
XYZ(83.4788, 94.3587, 93.7235)
contains.

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Color

**XYZ(83.6792, 94.4574,
93.9425)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFED
RGB	230, 255, 237
RGB Percent	90%, 100%, 93%
CMY	0.0980, 0.0000, 0.0706
CMYK	0.10, 0.00, 0.07, 0.00
HSL	137°, 100%, 95%
HSV	137°, 10%, 100%
XYZ	83.6792, 94.4574, 93.9425
YIQ	245.4730, -9.1220, -10.8980

Conversions

Conversions Part 2

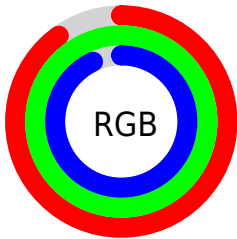
Format	Color
R _Y B	230, 250, 255
Decimal	15138797
CIE Lab	97.82, -11.37, 5.84
CIE LCh	98, 12.782, 152.834
Yxy	94.4574, 0.3076, 0.3472
Android (android.graphics.Color)	4293328877 (0xFFE6FFED)
YUV	245.4730, -4.1772, -13.5698
Hunter-Lab	97.1892, -16.3939, 10.7231

Details

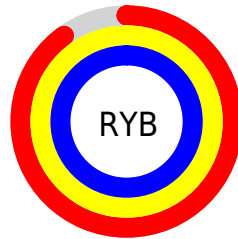
The XYZ color **83.6792, 94.4574, 93.9425** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.4806, 84.6319, 100.5844**, and the grayscale version is **87.2094, 91.7510, 99.9169**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9901, 52.7230, 51.4687** is the 20% darker color. If you saturate the color by 10%, you get **73.5388, 89.5241, 80.1753**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

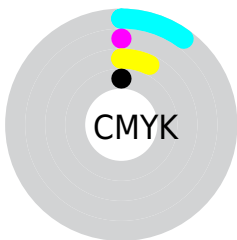
Distribution



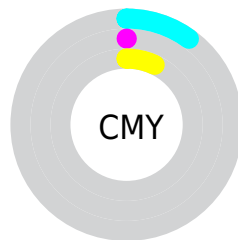
- Red (90%)
- Green (100%)
- Blue (93%)



- 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 83.6792, 94.4574, 93.9425 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 83.6792, 94.4574, 93.9425 by changing the saturation by 10% instead.


 83.6792, 94.4574,
93.9425

 83.6792, 94.4574,
93.9425


495.7971,
542.4264, 561.6716

 63.0694, 71.6835,
70.6631

137.4499,
153.5148, 154.7858

 46.1562, 52.9001,
51.5872


171.3416,
190.5670, 193.1868

 32.5743, 37.7231,
36.2962


210.3912,
233.1474, 237.4654

 21.9582, 25.7678,
24.3715

254.9643,
281.6404, 288.0402

 13.9426, 16.6500,
15.3947

305.4260,
336.4304, 345.3296

 8.1622, 9.9853,
8.9472

362.1418,

 4.2516, 5.3892,

397.9019, 409.7523

4.6104

425.4771,
466.4391, 481.7268

■ 1.8454, 2.4774,
1.9658

■ 0.5448, 0.8653,
0.5341

■ 83.6792, 94.4574,
93.9425

■ 83.6792, 94.4574,
93.9425

■ 73.5388, 89.5241,
80.1753

95.0500, 100.0000,
108.9000

■ 64.8093, 85.2873,
67.8635

■ 57.4274, 81.7155,
56.9606

■ 51.3239, 78.7740,
47.4159

■ 46.4232, 76.4249,
39.1757

■ 42.6414, 74.6261,
32.1828

■ 39.8834, 73.3300,
26.3754

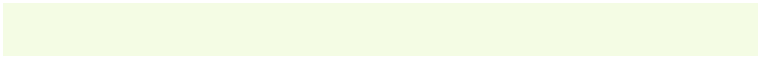
■ 38.0369, 72.4800,
21.6865

■ 36.9284, 71.9881,
18.0400

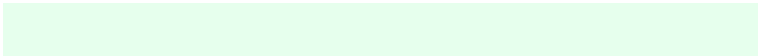
Harmonies

Analogous

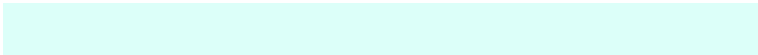
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0275, 94.4574, 86.8688



83.6792, 94.4574, 93.9425



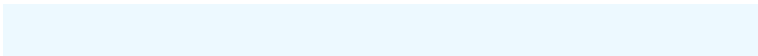
82.9509, 94.4574, 103.8451

Triad

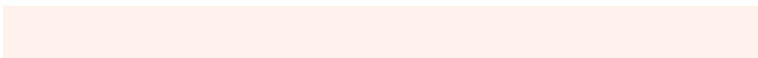
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6792, 94.4574, 93.9425



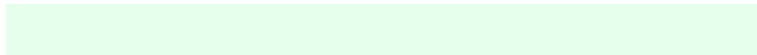
90.1264, 94.4574, 124.2550



95.8053, 94.4574, 92.3313

Complementary

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



83.6792, 94.4574, 93.9425



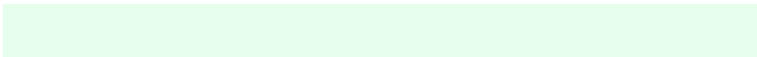
86.4806, 84.6319, 100.5844

Split Complementary

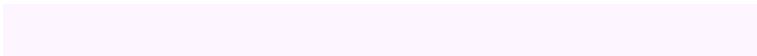
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.9717, 94.4574, 101.8574



83.6792, 94.4574, 93.9425



93.6379, 94.4574, 120.6757

Square

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



83.6792, 94.4574, 93.9425



86.6130, 94.4574, 121.7847



96.1681, 94.4574, 112.2994



93.0211, 94.4574, 85.9838

Rectangle

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



83.6792, 94.4574, 93.9425



83.4655, 94.4574, 110.8460



96.1681, 94.4574, 112.2994



96.4029, 94.4574, 95.2444

Sweetspot

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



83.6800, 94.4578, 93.9440



91.4171, 98.2282, 104.1673



88.8730, 97.2508, 88.9514



19.3641, 20.9259, 22.0304



0.0000, 0.0000, 0.0000



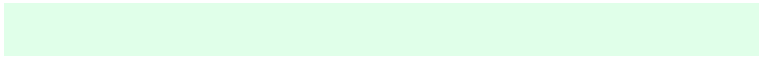
20.3446, 21.4041, 23.3091

Same Dimension

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



83.6800, 94.4578, 93.9440



81.3281, 93.3127, 90.7921



85.5187, 95.1933, 103.6261



17.9806, 20.2518, 20.2008



19.3408, 37.6329, 9.6800



1.9273, 3.6818, 1.1750

Inverse Universe

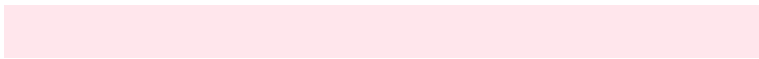
The Inverse Universe completely reimagines the original color for something new.



86.4806, 84.6319, 100.5844



84.7041, 81.4669, 98.7965



84.6536, 83.9011, 90.9638



18.5630, 18.2085, 21.5817



26.1142, 12.9350, 25.0496



2.5893, 1.2781, 2.6845

Previews

White Background



This preview shows how the XYZ color 83.6792, 94.4574, 93.9425 looks on a white background.

Color Contrast Check

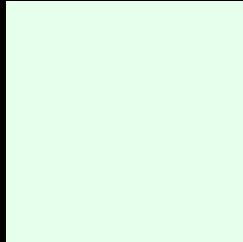
Large Text (above 18pt) WCAG AA × Fail

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 83.6792, 94.4574, 93.9425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

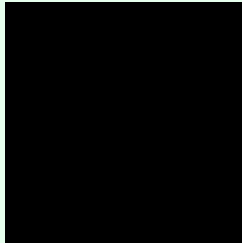
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

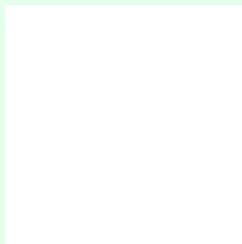
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6792, 94.4574, 93.9425

Background



This preview shows how black text looks on a background with the XYZ color 83.6792, 94.4574, 93.9425.



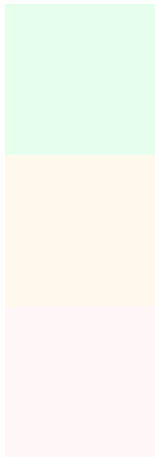
This preview shows how white text looks on a background with the XYZ color 83.6792, 94.4574,

93.9425.

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

83.6792, 94.4574, 93.9425

Protanopia

89.9477, 94.4509, 92.8470

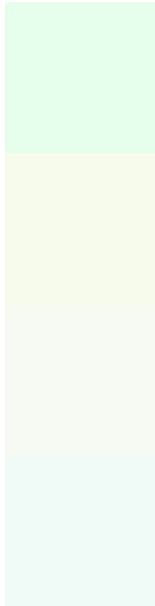
Deuteranopia

91.2893, 94.4969, 101.4240

Tritanopia

89.5819, 94.3838, 108.1042

Trichromacy



Original Color

83.6792, 94.4574, 93.9425

Protanomaly

87.6435, 94.6433, 93.0056

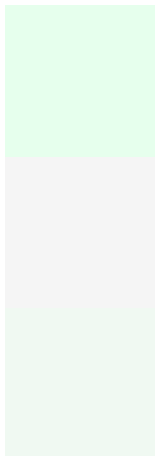
Deuteranomaly

88.3693, 94.4351, 98.3643

Tritanomaly

87.3756, 94.2969, 102.4029

Monochromacy



Original Color

83.6792, 94.4574, 93.9425

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.8379, 92.6874, 97.3707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6792, 94.4574, 93.9425 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 83.6792, 94.4574, 93.9425 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, 237) }
```


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

```
.border{ border-color:rgb(230, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6792, 94.4574, 93.9425 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, 237) }
```

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

```
.background{ background-color: rgb(230,  
255, 237) }
```

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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