

Converting Colors

XYZ(84.4919, 94.7665, 99.0496)

Have a look what the booklet for
XYZ(84.4919, 94.7665, 99.0496)
contains.

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Color

**XYZ(84.7223, 94.8746,
99.4352)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFF4
RGB	230, 255, 244
RGB Percent	90%, 100%, 96%
CMY	0.0980, 0.0000, 0.0431
CMYK	0.10, 0.00, 0.04, 0.00
HSL	154°, 100%, 95%
HSV	154°, 10%, 100%
XYZ	84.7223, 94.8746, 99.4352
YIQ	246.2710, -11.3690, -8.7210

Conversions

Conversions Part 2

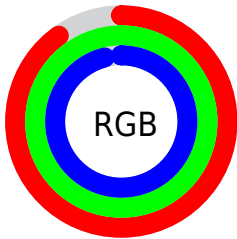
Format	Color
R_{YB}	230, 246, 255
Decimal	15138804
CIE _{Lab}	97.98, -10.11, 2.48
CIE _{LCh}	98, 10.411, 166.199
Yxy	94.8746, 0.3036, 0.3400
Android (android.graphics.Color)	4293328884 (0xFFE6FFF4)
YUV	246.2710, -1.1196, -14.2697
Hunter-Lab	97.4036, -15.1958, 7.6559

Details

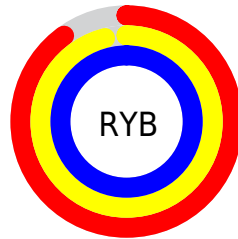
The XYZ color **84.7223, 94.8746, 99.4352** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.4146, 84.2057, 94.9709**, and the grayscale version is **87.8317, 92.4058, 100.6299**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7267, 53.0177, 55.3476** is the 20% darker color. If you saturate the color by 10%, you get **75.4766, 90.2992, 90.3796**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

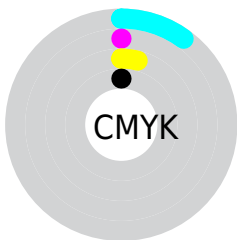
Distribution



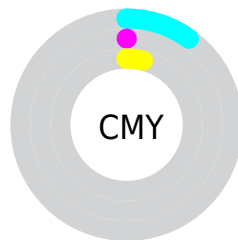
- Red (90%)
- Green (100%)
- Blue (96%)



- Red (90%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.7223, 94.8746, 99.4352 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 84.7223, 94.8746, 99.4352 by changing the saturation by 10% instead.


 84.7223, 94.8746,
99.4352

 84.7223, 94.8746,
99.4352


499.2062,
543.7634, 579.6116

 63.9337, 72.0306,
75.2147

138.9012,
154.0913, 162.4259

 46.8584, 53.1837,
55.2860


173.0221,
191.2329, 202.0332

 33.1312, 37.9494,
39.2306


212.3178,
233.9091, 247.6064

 22.3867, 25.9434,
26.6300

257.1538,
282.5043, 299.5642

 14.2595, 16.7813,
17.0655

307.8952,
337.4030, 358.3251

 8.3843, 10.0787,
10.1188

364.9075,

 4.3957, 5.4512,

398.9894, 424.3076

5.3711

428.5561,
467.6481, 497.9302

■ 1.9283, 2.5143,
2.4041

■ 0.5932, 0.8838,
0.7887

■ 84.7223, 94.8746,
99.4352

■ 84.7223, 94.8746,
99.4352

■ 75.4766, 90.2992,
90.3796

95.0500, 100.0000,
108.9000

■ 67.4773, 86.3545,
81.9126

■ 60.6677, 83.0116,
74.0233

■ 54.9858, 80.2387,
66.6987

■ 50.3636, 78.0010,
59.9252

■ 46.7254, 76.2597,
53.6885

■ 43.9849, 74.9706,
47.9735

■ 42.0395, 74.0810,
42.7639

■ 40.7264, 73.5073,
38.0402

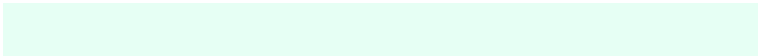
Harmonies

Analogous

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



86.1011, 94.8746, 92.3505



84.7223, 94.8746, 99.4352



84.7819, 94.8746, 107.9503

Triad

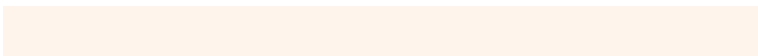
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7223, 94.8746, 99.4352



91.7841, 94.8746, 119.8834



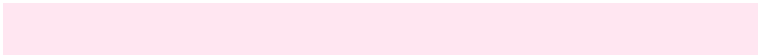
94.2017, 94.8746, 91.9005

Complementary

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



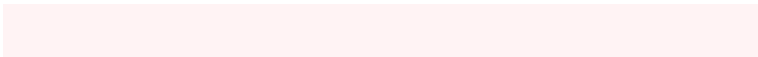
84.7223, 94.8746, 99.4352



85.4146, 84.2057, 94.9709

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.



95.7931, 94.8746, 98.7897



84.7223, 94.8746, 99.4352



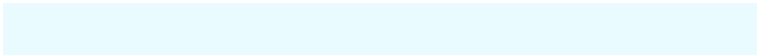
94.3764, 94.8746, 115.0874

Square

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



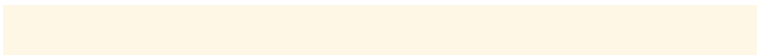
84.7223, 94.8746, 99.4352



88.8149, 94.8746, 120.0799



95.8577, 94.8746, 107.2684



91.5499, 94.8746, 88.1652

Rectangle

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



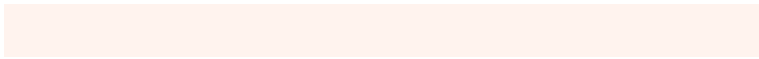
84.7223, 94.8746, 99.4352



85.6282, 94.8746, 113.3047



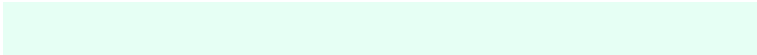
95.8577, 94.8746, 107.2684



94.8809, 94.8746, 93.9066

Sweetspot

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



84.7232, 94.8751, 99.4367



91.7541, 98.3630, 105.9419



86.4047, 95.9783, 88.8361



19.4550, 20.9623, 22.5087



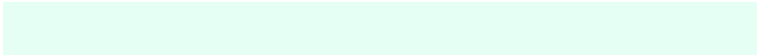
0.0000, 0.0000, 0.0000



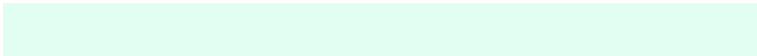
20.3446, 21.4041, 23.3091

Same Dimension

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



84.7232, 94.8751, 99.4367



82.5821, 93.8143, 97.3957



86.0464, 94.7685, 108.3648



18.1976, 20.3386, 21.3434



21.3448, 38.4345, 20.2329



2.1332, 3.7642, 2.2594

Inverse Universe

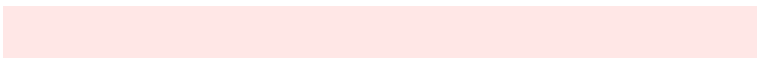
The Inverse Universe completely reimagines the original color for something new.



85.4146, 84.2057, 94.9709



83.4158, 80.9516, 92.0121



84.1697, 84.2663, 86.6933



18.3414, 18.1199, 20.4147



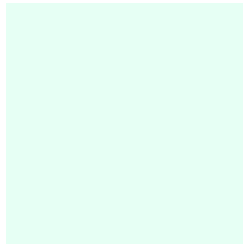
23.1547, 11.7512, 9.4648



2.3083, 1.1657, 1.2050

Previews

White Background



This preview shows how the XYZ color 84.7223, 94.8746, 99.4352 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 84.7223, 94.8746, 99.4352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

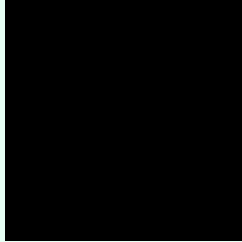
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

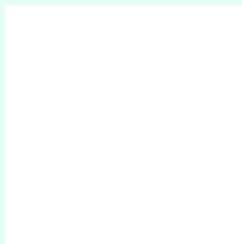
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.7223, 94.8746, 99.4352

Background



This preview shows how black text looks on a background with the XYZ color 84.7223, 94.8746, 99.4352.



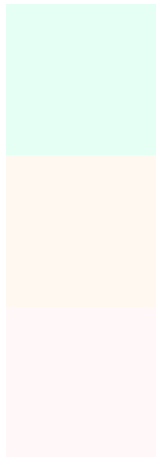
This preview shows how white text looks on a background with the XYZ color 84.7223, 94.8746,

99.4352.

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

84.7223, 94.8746, 99.4352

Protanopia

90.5356, 94.6861, 95.9426

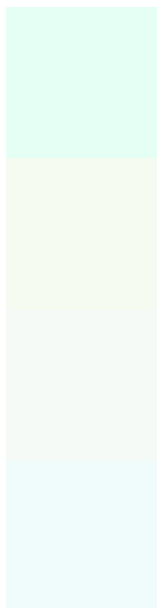
Deuteranopia

91.4440, 94.5588, 102.2390

Tritanopia

89.5819, 94.3838, 108.1042

Trichromacy



Original Color

84.7223, 94.8746, 99.4352

Protanomaly

88.3804, 94.9381, 96.8858

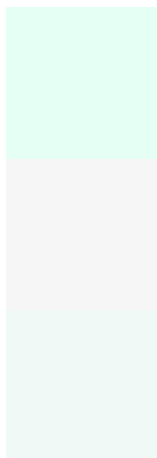
Deuteranomaly

88.9801, 94.6794, 101.5809

Tritanomaly

87.8449, 94.4847, 104.8742

Monochromacy



Original Color

84.7223, 94.8746, 99.4352

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.2923, 92.8692, 99.7637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7223, 94.8746, 99.4352 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 84.7223, 94.8746, 99.4352 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, 244) }
```


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

```
.border{ border-color:rgb(230, 255, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7223, 94.8746, 99.4352 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, 244) }
```

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

```
.background{ background-color: rgb(230,  
255, 244) }
```

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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