

Converting Colors

XYZ(86.5251, 100.0000,
97.4806)

Have a look what the booklet for
XYZ(86.5251, 100.0000, 97.4806)
contains.

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Color

**XYZ(83.8013, 94.4693,
96.2557)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFF0
RGB	229, 255, 240
RGB Percent	90%, 100%, 94%
CMY	0.1020, 0.0000, 0.0588
CMYK	0.10, 0.00, 0.06, 0.00
HSL	145°, 100%, 95%
HSV	145°, 10%, 100%
XYZ	83.8013, 94.4693, 96.2557
YIQ	245.5160, -10.6810, -10.1770

Conversions

Conversions Part 2

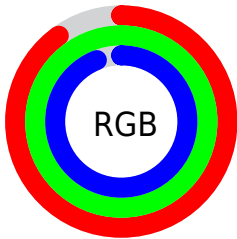
Format	Color
R _Y B	229, 247, 255
Decimal	15073264
CIE Lab	97.82, -11.16, 4.29
CIE LCh	98, 11.957, 158.955
Yxy	94.4693, 0.3053, 0.3441
Android (android.graphics.Color)	4293263344 (0xFFE5FFF0)
YUV	245.5160, -2.7194, -14.4845
Hunter-Lab	97.1953, -16.1900, 9.3199

Details

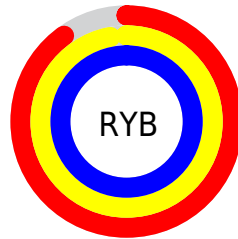
The XYZ color **83.8013, 94.4693, 96.2557** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.5889, 83.8313, 97.2579**, and the grayscale version is **87.2336, 91.7765, 99.9446**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0794, 52.7331, 53.0973** is the 20% darker color. If you saturate the color by 10%, you get **74.1559, 89.7392, 84.8556**, and if you desaturate by 10%, it is **94.8207, 99.8871, 108.6479**.

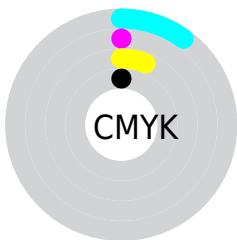
Distribution



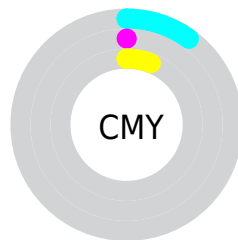
- Red (90%)
- Green (100%)
- Blue (94%)



- Red (90%)
- Yellow (97%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8013, 94.4693, 96.2557 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 83.8013, 94.4693, 96.2557 by changing the saturation by 10% instead.


 83.8013, 94.4693,
96.2557

 83.8013, 94.4693,
96.2557


496.1968,
542.4646, 569.2639

 63.1706, 71.6934,
72.5779


137.6199,
153.5312, 158.0087

 46.2384, 52.9082,
53.1412


171.5384,
190.5860, 196.9210

 32.6394, 37.7295,
37.5270


210.6170,
233.1691, 241.7486

 22.0082, 25.7728,
25.3168

255.2208,
281.6651, 292.9099

 13.9796, 16.6538,
16.0921

305.7154,
336.4582, 350.8236

 8.1881, 9.9879,
9.4343

362.4660,

 4.2683, 5.3910,

397.9329, 415.9081

4.9248

425.8380,
466.4736, 488.5820

■ 1.8550, 2.4784,
2.1453

■ 0.5505, 0.8658,
0.6425

■ 83.8013, 94.4693,
96.2557

■ 83.8013, 94.4693,
96.2557

■ 74.1559, 89.7392,
84.8556

94.8207, 99.8871,
108.6479

■ 65.8258, 85.6673,
74.4187

95.0500, 100.0000,
108.9000

■ 58.7520, 82.2235,
64.9210

■ 52.8695, 79.3749,
56.3360

■ 48.1073, 77.0854,
48.6358

■ 44.3867, 75.3150,
41.7910

■ 41.6176, 74.0179,
35.7704

■ 39.6934, 73.1397,
30.5405

■ 38.4611, 72.6004,
26.1437

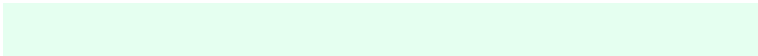
Harmonies

Analogous

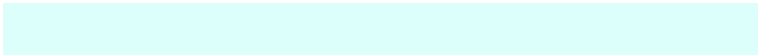
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7256, 94.4693, 88.9215



83.8013, 94.4693, 96.2557



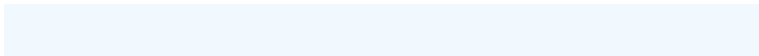
83.4600, 94.4693, 105.8155

Triad

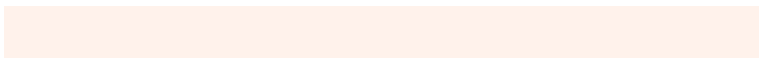
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8013, 94.4693, 96.2557



90.8160, 94.4693, 122.5743



94.9930, 94.4693, 91.4870

Complementary

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



83.8013, 94.4693, 96.2557



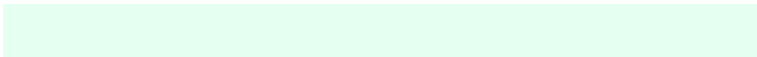
85.5889, 83.8313, 97.2579

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.



96.4328, 94.4693, 99.9621



83.8013, 94.4693, 96.2557



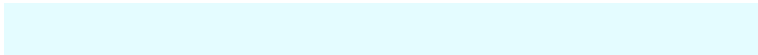
93.9814, 94.4693, 118.1861

Square

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



83.8013, 94.4693, 96.2557



87.4532, 94.4693, 121.4258



96.0579, 94.4693, 109.7618



92.1685, 94.4693, 86.2920

Rectangle

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



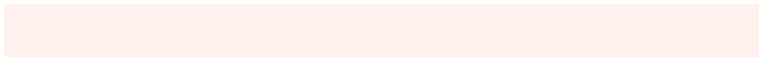
83.8013, 94.4693, 96.2557



84.1673, 94.4693, 112.2346



96.0579, 94.4693, 109.7618



95.6582, 94.4693, 94.0244

Sweetspot

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



83.8021, 94.4697, 96.2572



91.5888, 98.2969, 105.0716



87.2695, 96.4403, 88.1453



19.4104, 20.9445, 22.2739



0.0000, 0.0000, 0.0000



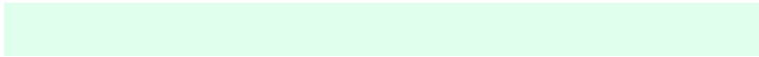
20.3446, 21.4041, 23.3091

Same Dimension

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



83.8021, 94.4697, 96.2572



81.9614, 93.5660, 94.1272



85.7768, 95.2596, 106.6555



18.0905, 20.2957, 20.7794



20.1676, 37.9636, 14.0336



2.0168, 3.7177, 1.6466

Inverse Universe

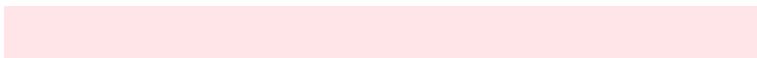
The Inverse Universe completely reimagines the original color for something new.



85.5889, 83.8313, 97.2579



84.0382, 81.2006, 95.2900



83.7074, 83.0787, 87.3500



18.4487, 18.1628, 20.9800



24.3813, 12.2418, 15.9242



2.4286, 1.2138, 1.8382

Previews

White Background



This preview shows how the XYZ color 83.8013, 94.4693, 96.2557 looks on a white background.

Color Contrast Check

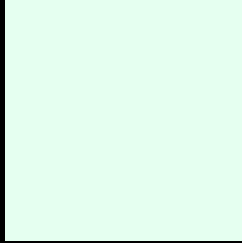
Large Text (above 18pt) WCAG AA × Fail

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 83.8013, 94.4693, 96.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

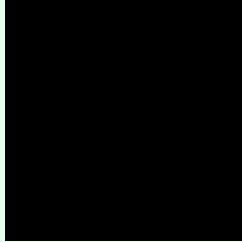
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

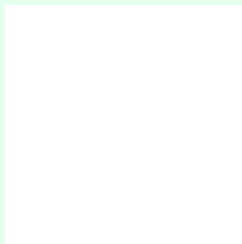
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.8013, 94.4693, 96.2557

Background



This preview shows how black text looks on a background with the XYZ color 83.8013, 94.4693, 96.2557.



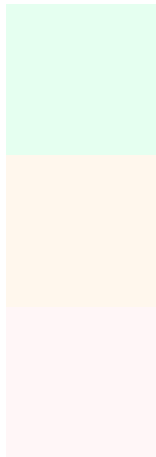
This preview shows how white text looks on a background with the XYZ color 83.8013, 94.4693,

96.2557.

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

83.8013, 94.4693, 96.2557

Protanopia

89.7868, 93.8960, 93.5122

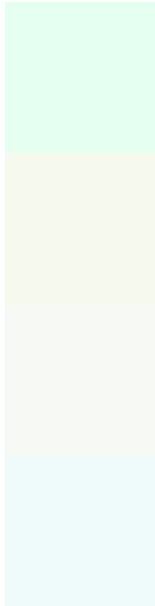
Deuteranopia

90.9843, 93.8869, 101.3223

Tritanopia

89.2339, 94.2045, 108.0879

Trichromacy



Original Color

83.8013, 94.4693, 96.2557

Protanomaly

87.6243, 94.1371, 94.4409

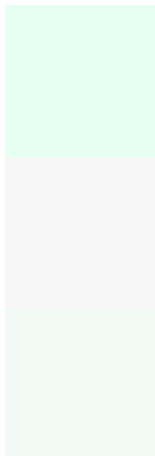
Deuteranomaly

88.2109, 93.8758, 99.0586

Tritanomaly

87.3491, 94.2472, 104.0302

Monochromacy



Original Color

83.8013, 94.4693, 96.2557

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.1400, 92.8083, 98.9617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8013, 94.4693, 96.2557 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(229, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 240)  
}
```

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(229, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 83.8013, 94.4693, 96.2557 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(229, 255, 240) }
```


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

```
.border{ border-color:rgb(229, 255, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(229, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8013, 94.4693, 96.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 240) }
```

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

```
.background{ background-color: rgb(229,  
255, 240) }
```

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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