

Converting Colors

XYZ(86.7568, 100.0000,
108.5188)

Have a look what the booklet for
XYZ(86.7568, 100.0000, 108.5188)
contains.

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Color

**XYZ(83.7736, 94.2054,
107.5340)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFFE
RGB	222, 255, 254
RGB Percent	87%, 100%, 100%
CMY	0.1294, 0.0000, 0.0039
CMYK	0.13, 0.00, 0.00, 0.00
HSL	178°, 100%, 94%
HSV	178°, 13%, 100%
XYZ	83.7736, 94.2054, 107.5340
YIQ	245.0190, -19.3470, -7.3070

Conversions

Conversions Part 2

Format	Color
R_{YB}	222, 239, 255
Decimal	14614526
CIE _{Lab}	97.71, -10.76, -3.11
CIE _{LCh}	98, 11.196, 196.132
Yxy	94.2054, 0.2934, 0.3300
Android (android.graphics.Color)	4292804606 (0xFFDEFFFE)
YUV	245.0190, 4.4276, -20.1877
Hunter-Lab	97.0595, -15.7878, 2.2531

Details

The XYZ color **83.7736, 94.2054, 107.5340** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.6812, 78.8315, 80.7760**, and the grayscale version is **86.7827, 91.3021, 99.4280**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2085, 52.6349, 60.5474** is the 20% darker color. If you saturate the color by 10%, you get **76.4222, 90.4298, 106.5477**, and if you desaturate by 10%, it is **92.3086, 98.5910, 108.5812**.

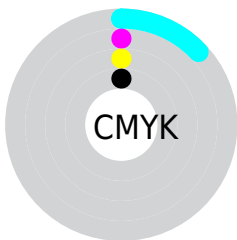
Distribution



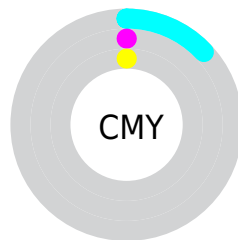
- Red (87%)
- Green (100%)
- Blue (100%)



- Red (87%)
- Yellow (94%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7736, 94.2054, 107.5340 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 83.7736, 94.2054, 107.5340 by changing the saturation by 10% instead.


 83.7736, 94.2054,
107.5340

 83.7736, 94.2054,
107.5340


496.1061,
541.6180, 605.5384

 63.1476, 71.4738,
81.9554


137.5813,
153.1664, 173.6146

 46.2197, 52.7289,
60.7932


171.4938,
190.1645, 214.9536

 32.6246, 37.5864,
43.6288


210.5658,
232.6870, 262.3832

 21.9969, 25.6619,
30.0437

255.1626,
281.1182, 316.3219

 13.9712, 16.5709,
19.6195

305.6498,
335.8425, 377.1882

 8.1822, 9.9290,
11.9374

362.3925,

 4.2645, 5.3519,

397.2443, 445.4007

6.5790

425.7562,
465.7080, 521.3780

■ 1.8529, 2.4552,
3.1258

■ 0.5492, 0.8541,
1.1592

■ 83.7736, 94.2054,
107.5340

■ 83.7736, 94.2054,
107.5340

■ 76.4222, 90.4298,
106.5477

■ 92.3086, 98.5910,
108.5812

■ 70.1986, 87.2356,
105.6154

95.0500, 100.0000,
108.9000

■ 65.0469, 84.5939,
104.7358

■ 60.9054, 82.4730,
103.9061

■ 57.7057, 80.8375,
103.1230

■ 55.3715, 79.6481,
102.3831

■ 53.8142, 78.8592,
101.6820

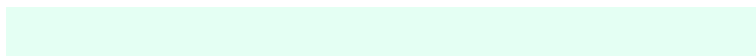
■ 52.9264, 78.4154,
101.0149

■ 52.5926, 78.2530,
100.5592

Harmonies

Analogous

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



83.7136, 94.2054, 98.4191



83.7736, 94.2054, 107.5340



85.3542, 94.2054, 115.7710

Triad

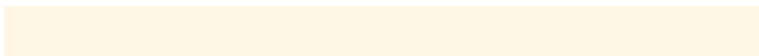
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7736, 94.2054, 107.5340



94.0362, 94.2054, 115.2397



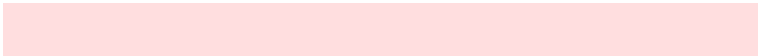
91.0182, 94.2054, 86.4418

Complementary

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



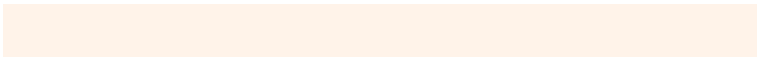
83.7736, 94.2054, 107.5340



80.6812, 78.8315, 80.7760

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.



93.8592, 94.2054, 90.4195



83.7736, 94.2054, 107.5340



95.6294, 94.2054, 106.8435

Square

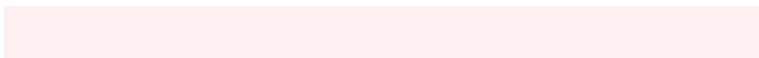
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



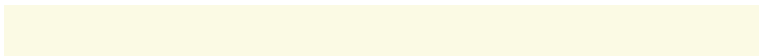
83.7736, 94.2054, 107.5340



91.2551, 94.2054, 120.3971



95.5639, 94.2054, 97.7683



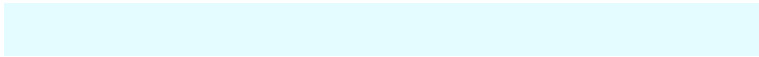
87.8454, 94.2054, 86.6022

Rectangle

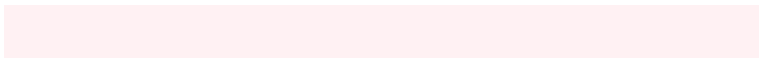
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



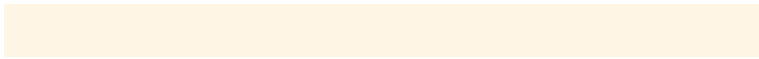
83.7736, 94.2054, 107.5340



87.0795, 94.2054, 119.4971



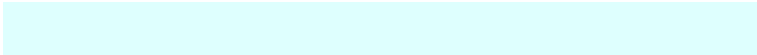
95.5639, 94.2054, 97.7683



92.0452, 94.2054, 87.3286

Sweetspot

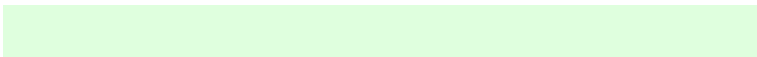
The Sweet Spot groups the original color and five complimentary colors.



83.7746, 94.2058, 107.5355



91.3468, 98.0967, 108.4676



79.4080, 92.4983, 82.7775



19.4076, 20.9225, 23.1993



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

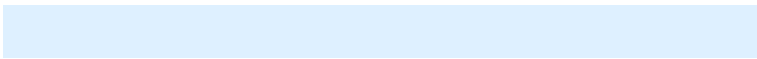
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7746, 94.2058, 107.5355



81.4018, 92.9870, 107.2273



79.2177, 84.8355, 106.8074



18.5297, 20.4714, 23.0925



27.4914, 40.8932, 52.6004



2.6839, 3.9845, 5.1594

Inverse Universe

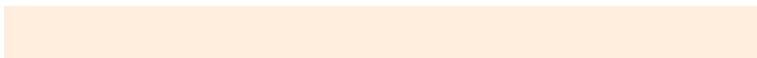
The Inverse Universe completely reimagines the original color for something new.



80.6812, 78.8315, 80.7760



77.6589, 74.3831, 74.8473



84.8256, 87.3350, 81.4954



18.0316, 17.9960, 18.7838



21.5805, 11.1215, 1.1754



2.1087, 1.0859, 0.1538

Previews

White Background



This preview shows how the XYZ color 83.7736, 94.2054, 107.5340 looks on a white background.

Color Contrast Check

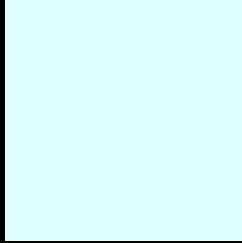
Large Text (above 18pt) WCAG AA × Fail

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 83.7736, 94.2054, 107.5340 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 83.7736, 94.2054, 107.5340

Background



This preview shows how black text looks on a background with the XYZ color 83.7736, 94.2054, 107.5340.



This preview shows how white text looks on a background with the XYZ color 83.7736, 94.2054,

107.5340.

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

83.7736, 94.2054, 107.5340



Protanopia

90.5045, 94.0565, 103.0072

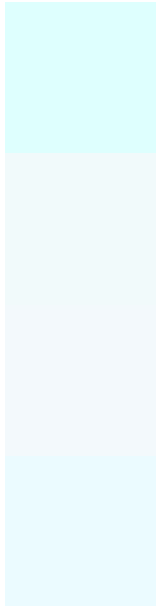
Deuteranopia

91.6084, 94.1366, 104.6087

Tritanopia

88.5436, 93.8486, 108.0556

Trichromacy



Original Color

83.7736, 94.2054, 107.5340

Protanomaly

87.8738, 94.0370, 104.7863

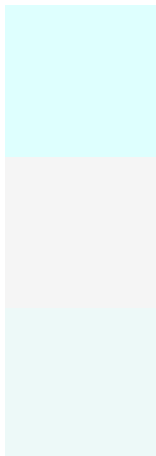
Deuteranomaly

88.4085, 93.8343, 105.5477

Tritanomaly

86.8081, 93.8765, 108.1524

Monochromacy



Original Color

83.7736, 94.2054, 107.5340

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.7440, 92.5332, 102.1484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7736, 94.2054, 107.5340 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(222, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 254)  
}
```

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(222, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 83.7736, 94.2054, 107.5340 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(222, 255, 254) }
```


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

```
.border{ border-color:rgb(222, 255, 254) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7736, 94.2054, 107.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 254) }
```

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

```
.background{ background-color: rgb(222,  
255, 254) }
```

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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