

Converting Colors

XYZ(69.8066, 87.2729, 94.7834)

Have a look what the booklet for
XYZ(69.8066, 87.2729, 94.7834)
contains.

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Color

**XYZ(69.9304, 87.3357,
94.8331)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFEF
RGB	179, 255, 239
RGB Percent	70%, 100%, 94%
CMY	0.2980, 0.0000, 0.0627
CMYK	0.30, 0.00, 0.06, 0.00
HSL	167°, 100%, 85%
HSV	167°, 30%, 100%
XYZ	69.9304, 87.3357, 94.8331
YIQ	230.4520, -40.1600, -21.0880

Conversions

Conversions Part 2

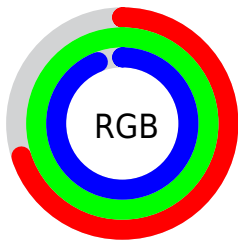
Format	Color
R_{YB}	179, 221, 255
Decimal	11796463
CIE _{Lab}	94.88, -26.55, 0.17
CIE _{LCh}	95, 26.550, 179.623
Yxy	87.3357, 0.2774, 0.3464
Android (android.graphics.Color)	4289986543 (0xFFB3FFEF)
YUV	230.4520, 4.2142, -45.1234
Hunter-Lab	93.4536, -29.9739, 5.2523

Details

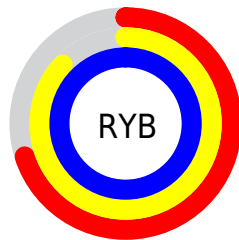
The XYZ color **69.9304, 87.3357, 94.8331** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.2111, 57.4416, 59.1753**, and the grayscale version is **75.5396, 79.4735, 86.5466**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **37.0535, 48.0922, 52.1295** is the 20% darker color. If you saturate the color by 10%, you get **63.7907, 84.2608, 90.4682**, and if you desaturate by 10%, it is **77.1853, 90.9827, 99.3760**.

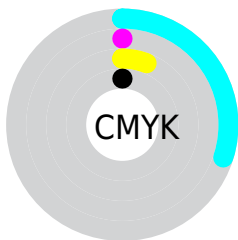
Distribution



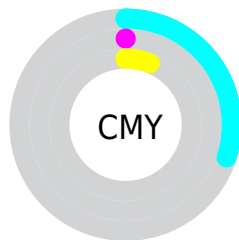
- Red (70%)
- Green (100%)
- Blue (94%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9304, 87.3357, 94.8331 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 69.9304, 87.3357, 94.8331 by changing the saturation by 10% instead.

69.9304, 87.3357,
94.8331

69.9304, 87.3357,
94.8331

449.5758,
519.3253, 564.6012

51.7492, 65.7730,
71.4000

118.1363,
143.6320, 156.0276

37.0287, 48.0882,
52.1848

148.8917,
179.1344, 194.6260

25.4035, 33.8967,
36.7692

184.5692,
220.0521, 239.1166

16.5082, 22.8143,
24.7344

225.5342,
266.7697, 289.9180

9.9776, 14.4564,
15.6621

272.1520,
319.6713, 347.4485

5.4463, 8.4388,
9.1336

324.7879,

2.5488, 4.3770,

379.1416, 412.1269

4.7304

383.8074,
445.5648, 484.3716

■ 0.9199, 1.8866,
2.0340

■ 0.0000, 0.5403,
0.5761

■ 69.9304, 87.3357,
94.8331

■ 69.9304, 87.3357,
94.8331

■ 63.7907, 84.2608,
90.4682

■ 77.1853, 90.9827,
99.3760

■ 58.7031, 81.7256,
86.2731

■ 85.6083, 95.2292,
104.0962

■ 54.6022, 79.6965,
82.2449

95.0500, 100.0000,
108.9000

■ 51.4142, 78.1353,
78.3793

■ 49.0548, 76.9986,
74.6712

■ 47.4234, 76.2346,
71.1146

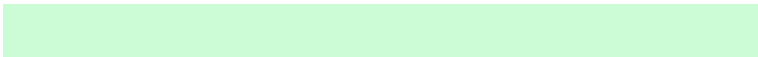
■ 46.3591, 75.7604,
67.7011

■ 46.3403, 75.7521,
67.6351

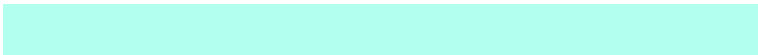
Harmonies

Analogous

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



71.6379, 87.3357, 76.4325



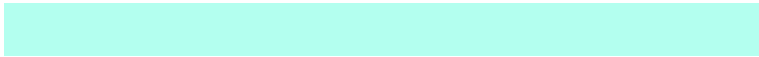
69.9304, 87.3357, 94.8331



71.5554, 87.3357, 116.0524

Triad

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



69.9304, 87.3357, 94.8331



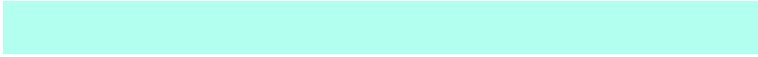
90.0375, 87.3357, 133.8606



90.2041, 87.3357, 64.8449

Complementary

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



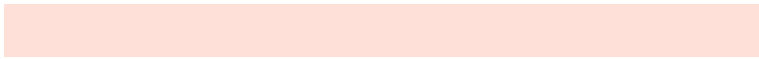
69.9304, 87.3357, 94.8331



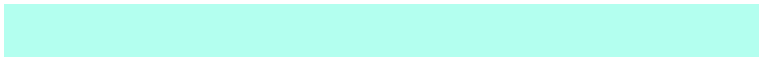
67.2111, 57.4416, 59.1753

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.



95.6260, 87.3357, 76.8237



69.9304, 87.3357, 94.8331



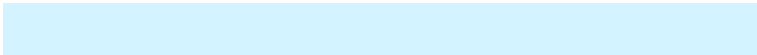
95.5260, 87.3357, 116.5692

Square

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



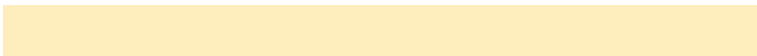
69.9304, 87.3357, 94.8331



82.9189, 87.3357, 140.4696



97.6265, 87.3357, 95.3548



83.1011, 87.3357, 60.7222

Rectangle

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



69.9304, 87.3357, 94.8331



74.3666, 87.3357, 128.5818



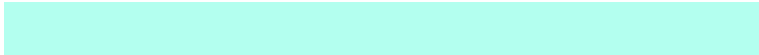
97.6265, 87.3357, 95.3548



92.2983, 87.3357, 67.9921

Sweetspot

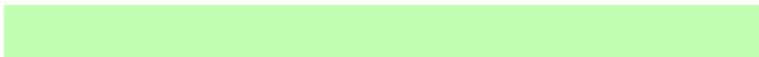
The Sweet Spot groups the original color and five complimentary colors.



69.9313, 87.3362, 94.8346



86.3368, 95.5969, 104.4829



66.5240, 86.4395, 55.8277



18.1983, 20.3197, 22.2138



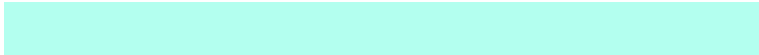
0.0000, 0.0000, 0.0000



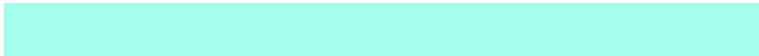
20.3446, 21.4041, 23.3091

Same Dimension

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



69.9313, 87.3362, 94.8346



65.9984, 85.3649, 92.1083



65.9125, 75.3469, 105.6772



18.3814, 20.4121, 22.3116



24.2705, 39.6048, 35.6392



2.4022, 3.8718, 3.6758

Inverse Universe

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



67.2111, 57.4416, 59.1753



62.8706, 50.9246, 51.0567



70.1555, 66.0718, 51.7049



18.1658, 18.0496, 19.4902



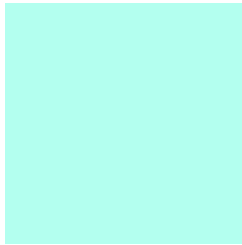
21.9362, 11.2638, 3.0487



2.1735, 1.1118, 0.4952

Previews

White Background



This preview shows how the XYZ color 69.9304, 87.3357, 94.8331 looks on a white background.

Color Contrast Check

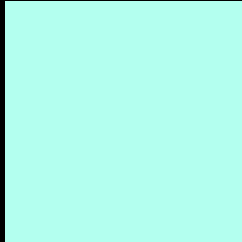
Large Text (above 18pt) WCAG AA × Fail

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 69.9304, 87.3357, 94.8331 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

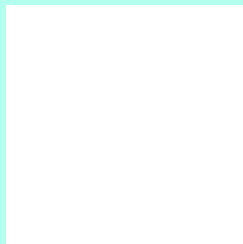
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9304, 87.3357, 94.8331

Background



This preview shows how black text looks on a background with the XYZ color 69.9304, 87.3357, 94.8331.

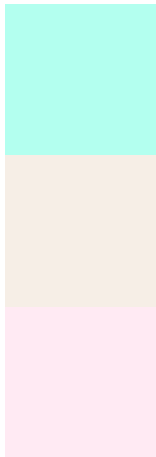


This preview shows how white text looks on a background with the XYZ color 69.9304, 87.3357,

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

69.9304, 87.3357, 94.8331

Protanopia

82.8635, 86.4551, 87.1830

Deuteranopia

86.8405, 86.5767, 96.9280



Tritanopia

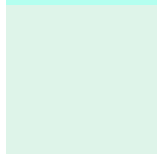
78.7267, 86.9719, 107.2457

Trichromacy



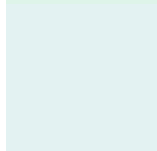
Original Color

69.9304, 87.3357, 94.8331



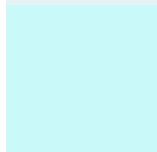
Protanomaly

77.1829, 86.1142, 89.6445



Deuteranomaly

79.4577, 86.2460, 96.4637



Tritanomaly

75.3317, 87.1475, 102.4733

Monochromacy



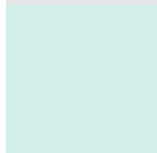
Original Color

69.9304, 87.3357, 94.8331



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.4385, 81.4651, 88.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9304, 87.3357, 94.8331 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(179, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 239)  
}
```

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(179, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 69.9304, 87.3357, 94.8331 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(179, 255, 239) }
```


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

```
.border{ border-color:rgb(179, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9304, 87.3357, 94.8331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 239) }
```

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

```
.background{ background-color: rgb(179,  
255, 239) }
```

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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