

Converting Colors

XYZ(74.5374, 100.0000,
92.8392)

Have a look what the booklet for
XYZ(74.5374, 100.0000, 92.8392)
contains.

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Color

**XYZ(67.8449, 86.3447,
90.9323)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFFEA
RGB	173, 255, 234
RGB Percent	68%, 100%, 92%
CMY	0.3216, 0.0000, 0.0823
CMYK	0.32, 0.00, 0.08, 0.00
HSL	165°, 100%, 84%
HSV	165°, 32%, 100%
XYZ	67.8449, 86.3447, 90.9323
YIQ	228.0880, -42.1310, -23.9150

Conversions

Conversions Part 2

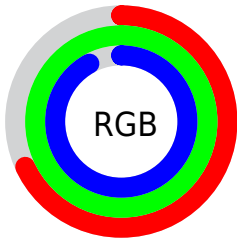
Format	Color
RYB	173, 220, 255
Decimal	11403242
CIELab	94.46, -29.27, 2.10
CIELCh	94, 29.343, 175.887
Yxy	86.3447, 0.2768, 0.3523
Android (android.graphics.Color)	4289593322 (0xFFADFFEA)
YUV	228.0880, 2.9146, -48.3122
Hunter-Lab	92.9218, -32.2853, 7.0248

Details

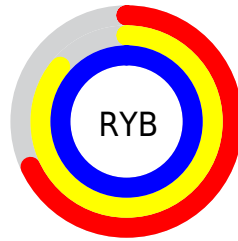
The XYZ color **67.8449, 86.3447, 90.9323** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.9220, 55.0435, 58.1897**, and the grayscale version is **73.8086, 77.6524, 84.5635**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **35.7012, 47.4541, 49.3974** is the 20% darker color. If you saturate the color by 10%, you get **61.8134, 83.3418, 85.8435**, and if you desaturate by 10%, it is **74.9889, 89.9172, 96.2565**.

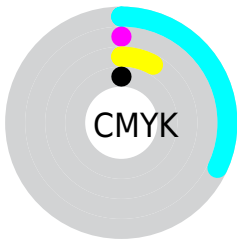
Distribution



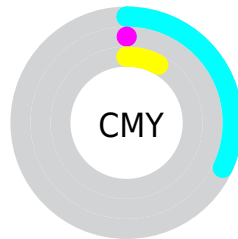
- Red (68%)
- Green (100%)
- Blue (92%)



- Red (68%)
- Yellow (86%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8449, 86.3447, 90.9323 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 67.8449, 86.3447, 90.9323 by changing the saturation by 10% instead.


 67.8449, 86.3447,
90.9323

 67.8449, 86.3447,
90.9323


442.3316,
516.0671, 551.7071

 50.0448, 64.9530,
68.1761


 115.1734,
142.2504, 150.5795

 35.6669, 47.4230,
49.5734


145.4324,
177.5333, 188.3076

 24.3460, 33.3702,
34.7058


180.5752,
218.2153, 231.8635

 15.7166, 22.4102,
23.1546

220.9669,
264.6809, 281.6655

 9.4134, 14.1586,
14.5013

266.9731,
317.3145, 338.1324

 5.0711, 8.2311,
8.3274

318.9591,

 2.3242, 4.2432,

376.5005, 401.6826

4.2144

377.2901,
442.6232, 472.7346

■ 0.8070, 1.8105,
1.7437

■ 0.0000, 0.4937,
0.3904

■ 67.8449, 86.3447,
90.9323

■ 67.8449, 86.3447,
90.9323

■ 61.8134, 83.3418,
85.8435

■ 74.9889, 89.9172,
96.2565

■ 56.8299, 80.8752,
80.9810

■ 83.2996, 94.0871,
101.8163

■ 52.8272, 78.9103,
76.3411

■ 92.8307, 98.8820,
107.6175

■ 49.7293, 77.4079,
71.9182

■ 95.0500, 100.0000,
108.9000

■ 47.4484, 76.3230,
67.7061

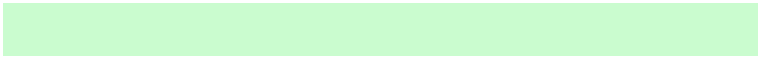
■ 45.8786, 75.6008,
63.6980

■ 45.0213, 75.2245,
60.6895

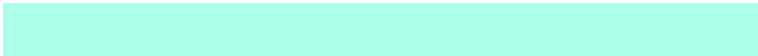
Harmonies

Analogous

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



70.1355, 86.3447, 71.6889



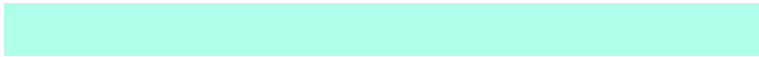
67.8449, 86.3447, 90.9323



69.1600, 86.3447, 114.2923

Triad

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



67.8449, 86.3447, 90.9323



88.8726, 86.3447, 138.7794



90.8752, 86.3447, 62.4306

Complementary

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



67.8449, 86.3447, 90.9323



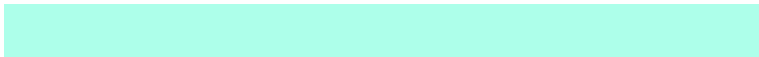
65.9220, 55.0435, 58.1897

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.



96.4898, 86.3447, 76.2896



67.8449, 86.3447, 90.9323



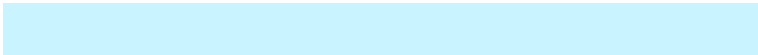
95.2826, 86.3447, 120.5523

Square

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



67.8449, 86.3447, 90.9323



80.9846, 86.3447, 144.3607



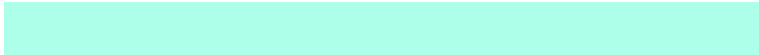
98.1518, 86.3447, 97.1660



83.1611, 86.3447, 56.9906

Rectangle

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



67.8449, 86.3447, 90.9323



71.9528, 86.3447, 128.7932



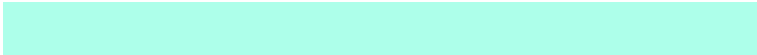
98.1518, 86.3447, 97.1660



93.0895, 86.3447, 66.1389

Sweetspot

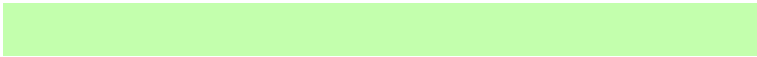
The Sweet Spot groups the original color and five complimentary colors.



67.8459, 86.3452, 90.9338



85.2492, 95.0669, 103.0462



65.7750, 86.1219, 52.6933



17.9734, 20.2108, 21.8842



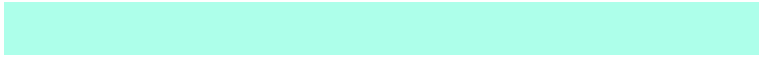
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

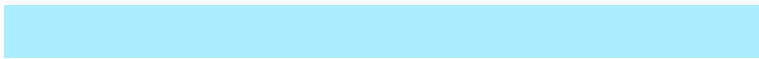
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8459, 86.3452, 90.9338



63.6007, 84.2300, 87.4250



65.2416, 76.0192, 105.8423



18.3445, 20.3973, 22.1170



23.5884, 39.3320, 32.0477



2.3410, 3.8473, 3.3537

Inverse Universe

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



65.9220, 55.0435, 58.1897



61.3954, 48.2231, 49.7976



67.6626, 62.0362, 47.9448



18.2002, 18.0634, 19.6716



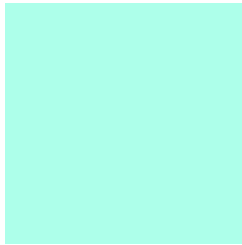
22.1027, 11.3304, 3.9251



2.1941, 1.1200, 0.6036

Previews

White Background



This preview shows how the XYZ color 67.8449, 86.3447, 90.9323 looks on a white background.

Color Contrast Check

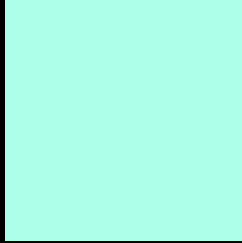
Large Text (above 18pt) WCAG AA × Fail

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 67.8449, 86.3447, 90.9323 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 67.8449, 86.3447, 90.9323

Background



This preview shows how black text looks on a background with the XYZ color 67.8449, 86.3447, 90.9323.



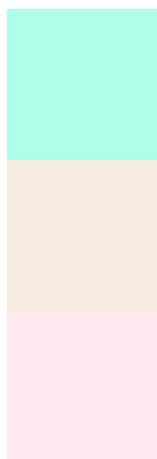
This preview shows how white text looks on a background with the XYZ color 67.8449, 86.3447,

90.9323.

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

67.8449, 86.3447, 90.9323

Protanopia

81.7448, 85.5430, 82.7241

Deuteranopia

85.6766, 85.2052, 93.5920



Tritanopia

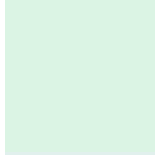
77.2647, 85.7703, 107.0908

Trichromacy



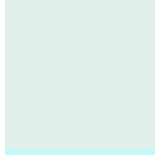
Original Color

67.8449, 86.3447, 90.9323



Protanomaly

75.5677, 85.3629, 85.8926



Deuteranomaly

77.4975, 84.4422, 92.3352



Tritanomaly

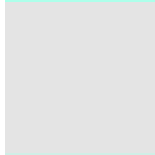
73.3819, 85.7205, 100.6738

Monochromacy



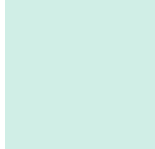
Original Color

67.8449, 86.3447, 90.9323



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.8699, 80.2721, 86.6217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8449, 86.3447, 90.9323 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(173, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 234)  
}
```

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(173, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 67.8449, 86.3447, 90.9323 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(173, 255, 234) }
```


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

```
.border{ border-color:rgb(173, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8449, 86.3447, 90.9323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 234) }
```

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

```
.background{ background-color: rgb(173,  
255, 234) }
```

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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