

Converting Colors

XYZ(69.9111, 87.4364, 89.8337)

Have a look what the booklet for
XYZ(69.9111, 87.4364, 89.8337)
contains.

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Color

**XYZ(69.8539, 87.4135,
89.5347)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFE8
RGB	183, 255, 232
RGB Percent	72%, 100%, 91%
CMY	0.2823, 0.0000, 0.0902
CMYK	0.28, 0.00, 0.09, 0.00
HSL	161°, 100%, 86%
HSV	161°, 28%, 100%
XYZ	69.8539, 87.4135, 89.5347
YIQ	230.8500, -35.5290, -22.4170

Conversions

Conversions Part 2

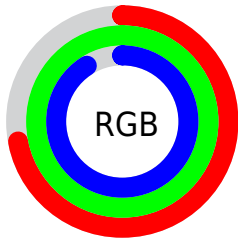
Format	Color
RYB	183, 226, 255
Decimal	12058600
CIELab	94.91, -26.86, 3.86
CIElCh	95, 27.132, 171.827
Yxy	87.4135, 0.2830, 0.3542
Android (android.graphics.Color)	4290248680 (0xFFB7FFE8)
YUV	230.8500, 0.5670, -41.9644
Hunter-Lab	93.4952, -30.2523, 8.6682

Details

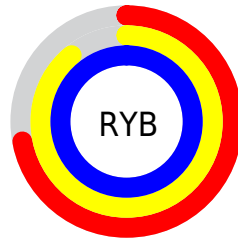
The XYZ color **69.8539, 87.4135, 89.5347** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69.3146, 59.5842, 66.2405**, and the grayscale version is **75.8587, 79.8093, 86.9123**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **36.9326, 48.1120, 48.4143** is the 20% darker color. If you saturate the color by 10%, you get **63.1979, 84.1128, 83.3235**, and if you desaturate by 10%, it is **77.6640, 91.3029, 96.0827**.

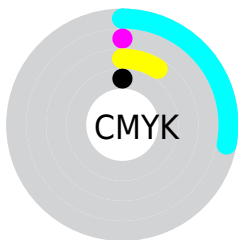
Distribution



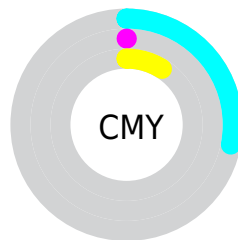
- Red (72%)
- Green (100%)
- Blue (91%)



- Red (72%)
- Yellow (89%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8539, 87.4135, 89.5347 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 69.8539, 87.4135, 89.5347 by changing the saturation by 10% instead.


 69.8539, 87.4135,
89.5347

 69.8539, 87.4135,
89.5347


449.3113,
519.5807, 547.0471

 51.6866, 65.8375,
67.0233


 118.0278,
143.7403, 148.6218

 36.9786, 48.1405,
48.6418


148.7651,
179.2599, 186.0345

 25.3645, 33.9381,
33.9718


184.4231,
220.1962, 229.2513

 16.4790, 22.8461,
22.5948

225.3672,
266.9334, 278.6909

 9.9567, 14.4799,
14.0921

271.9627,
319.8561, 334.7717

 5.4323, 8.4552,
8.0453

324.5750,

 2.5404, 4.3876,

379.3486, 397.9123

4.0357

383.5694,
445.7953, 468.5313

■ 0.9157, 1.8926,
1.6450

■ 0.0000, 0.5439,
0.3226

■ 69.8539, 87.4135,
89.5347

■ 69.8539, 87.4135,
89.5347

■ 63.1979, 84.1128,
83.3235

■ 77.6640, 91.3029,
96.0827

■ 57.6334, 81.3687,
77.4381

■ 86.6812, 95.8083,
102.9695

■ 53.0955, 79.1477,
71.8732

95.0500, 100.0000,
108.9000

■ 49.5112, 77.4125,
66.6215

■ 46.7974, 76.1202,
61.6750

■ 44.8562, 75.2203,
57.0251

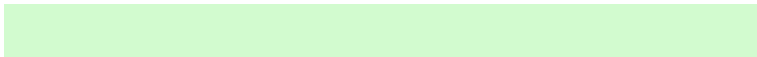
■ 43.5526, 74.6436,
52.6613

■ 43.3557, 74.5583,
51.9186

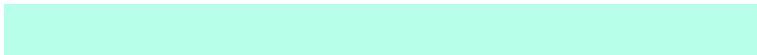
Harmonies

Analogous

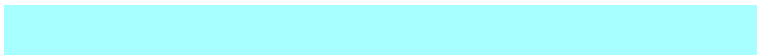
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4522, 87.4135, 72.2721



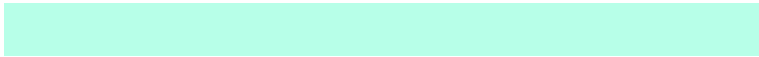
69.8539, 87.4135, 89.5347



70.6322, 87.4135, 111.0496

Triad

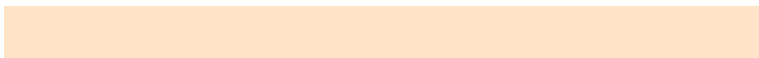
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8539, 87.4135, 89.5347



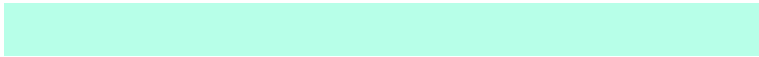
88.4551, 87.4135, 137.9565



92.1366, 87.4135, 66.7504

Complementary

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



69.8539, 87.4135, 89.5347



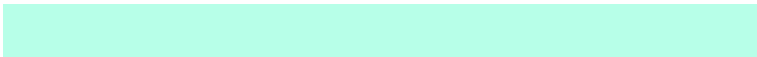
69.3146, 59.5842, 66.2405

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.



96.9193, 87.4135, 80.8965



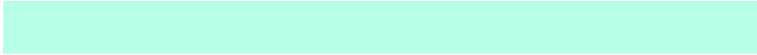
69.8539, 87.4135, 89.5347



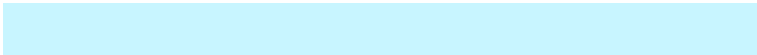
94.7079, 87.4135, 122.4757

Square

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



69.8539, 87.4135, 89.5347



81.0892, 87.4135, 141.1739



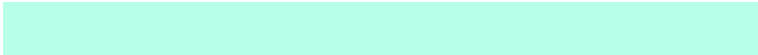
97.8870, 87.4135, 101.0545



85.1111, 87.4135, 60.4462

Rectangle

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



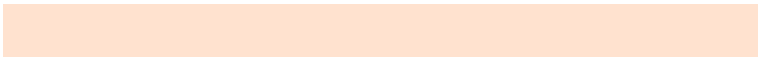
69.8539, 87.4135, 89.5347



72.9827, 87.4135, 124.8320



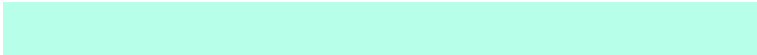
97.8870, 87.4135, 101.0545



94.0766, 87.4135, 70.6374

Sweetspot

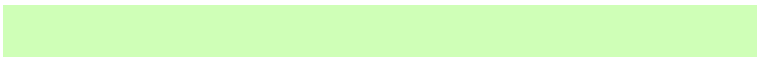
The Sweet Spot groups the original color and five complimentary colors.



69.8548, 87.4139, 89.5361



86.9075, 95.9215, 103.1350



70.0401, 88.2046, 58.1347



18.2935, 20.3769, 21.8484



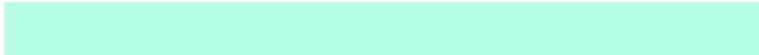
0.0000, 0.0000, 0.0000



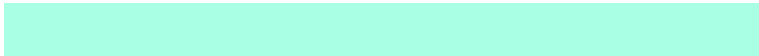
20.3446, 21.4041, 23.3091

Same Dimension

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



69.8548, 87.4139, 89.5361



65.8797, 85.4407, 85.9138



69.6297, 81.3890, 106.6475



18.2935, 20.3769, 21.8484



22.7253, 38.9867, 27.5026



2.2625, 3.8159, 2.9401

Inverse Universe

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



69.3146, 59.5842, 66.2405



65.2613, 53.3614, 59.0814



69.3030, 63.7101, 53.4456



18.2485, 18.0827, 19.9255



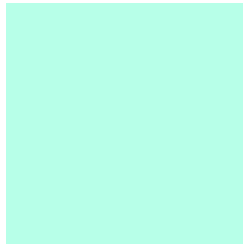
22.3935, 11.4467, 5.4569



2.2277, 1.1334, 0.7803

Previews

White Background



This preview shows how the XYZ color 69.8539, 87.4135, 89.5347 looks on a white background.

Color Contrast Check

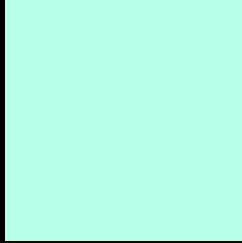
Large Text (above 18pt) WCAG AA × Fail

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 69.8539, 87.4135, 89.5347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

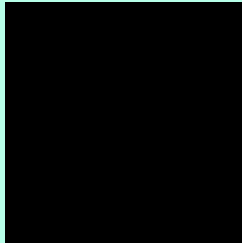
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

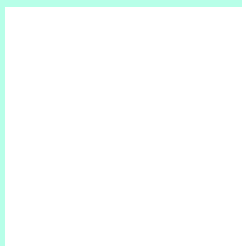
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8539, 87.4135, 89.5347

Background



This preview shows how black text looks on a background with the XYZ color 69.8539, 87.4135, 89.5347.

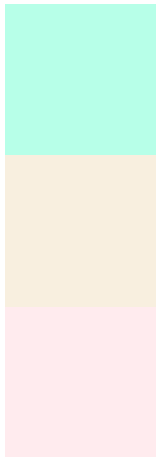


This preview shows how white text looks on a background with the XYZ color 69.8539, 87.4135,

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

69.8539, 87.4135, 89.5347

Protanopia

82.8972, 87.0172, 82.2389

Deuteranopia

86.3809, 86.8497, 93.0998



Tritanopia

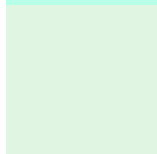
79.3177, 87.2765, 107.2733

Trichromacy



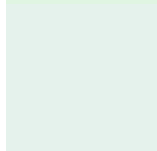
Original Color

69.8539, 87.4135, 89.5347



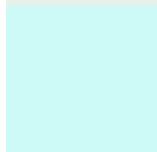
Protanomaly

77.1203, 86.6431, 84.6106



Deuteranomaly

79.2056, 86.2184, 91.8241



Tritanomaly

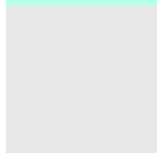
75.8410, 87.4459, 100.8772

Monochromacy



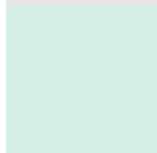
Original Color

69.8539, 87.4135, 89.5347



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3154, 82.3858, 87.6392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8539, 87.4135, 89.5347 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(183, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 232)  
}
```

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(183, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 69.8539, 87.4135, 89.5347 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(183, 255, 232) }
```


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

```
.border{ border-color:rgb(183, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8539, 87.4135, 89.5347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 232) }
```

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

```
.background{ background-color: rgb(183,  
255, 232) }
```

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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