

Converting Colors

XYZ(69.2021, 87.0929, 88.8044)

Have a look what the booklet for
XYZ(69.2021, 87.0929, 88.8044)
contains.

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Color

**XYZ(69.2399, 87.1133,
88.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FFE7
RGB	181, 255, 231
RGB Percent	71%, 100%, 91%
CMY	0.2902, 0.0000, 0.0941
CMYK	0.29, 0.00, 0.09, 0.00
HSL	161°, 100%, 85%
HSV	161°, 29%, 100%
XYZ	69.2399, 87.1133, 88.7665
YIQ	230.1380, -36.4000, -23.1520

Conversions

Conversions Part 2

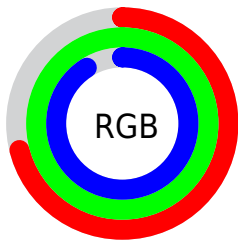
Format	Color
RYB	181, 225, 255
Decimal	11927527
CIELab	94.79, -27.63, 4.18
CIELCh	95, 27.948, 171.408
Yxy	87.1133, 0.2825, 0.3554
Android (android.graphics.Color)	4290117607 (0xFFB5FFE7)
YUV	230.1380, 0.4250, -43.0940
Hunter-Lab	93.3345, -30.9157, 8.9459

Details

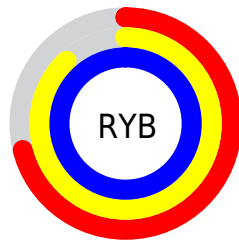
The XYZ color **69.2399, 87.1133, 88.7665** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68.7840, 58.7167, 65.4663**, and the grayscale version is **75.3320, 79.2552, 86.3089**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **36.5361, 47.9189, 47.8811** is the 20% darker color. If you saturate the color by 10%, you get **62.6574, 83.8517, 82.5053**, and if you desaturate by 10%, it is **76.9736, 90.9620, 95.3725**.

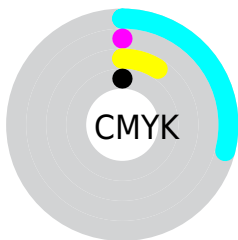
Distribution



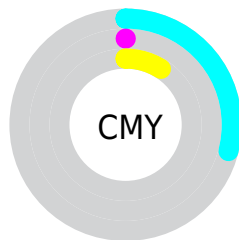
- Red (71%)
- Green (100%)
- Blue (91%)



- Red (71%)
- Yellow (88%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2399, 87.1133, 88.7665 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 69.2399, 87.1133, 88.7665 by changing the saturation by 10% instead.

69.2399, 87.1133,
88.7665

69.2399, 87.1133,
88.7665

447.1848,
518.5951, 544.4763

51.1845, 65.5890,
66.3901

117.1564,
143.3221, 147.5443

36.5771, 47.9388,
48.1307

147.7481,
178.7753, 184.7828

25.0524, 33.7784,
33.5697

183.2493,
219.6402, 227.8125

16.2450, 22.7234,
22.2885

224.0253,
266.3013, 277.0518

9.7896, 14.3894,
13.8687

270.4415,
319.1430, 332.9192

5.3209, 8.3920,
7.8917

322.8633,

2.4734, 4.3468,

378.5496, 395.8335

3.9389

381.6559,
444.9055, 466.2130

■ 0.8819, 1.8694,
1.5919

■ 0.0000, 0.5299,
0.2850

■ 69.2399, 87.1133,
88.7665

■ 69.2399, 87.1133,
88.7665

■ 62.6574, 83.8517,
82.5053

■ 76.9736, 90.9620,
95.3725

■ 57.1631, 81.1447,
76.5778

■ 85.9119, 95.4252,
102.3255

■ 52.6914, 78.9588,
70.9784

95.0500, 100.0000,
108.9000

■ 49.1687, 77.2560,
65.6994

■ 46.5111, 75.9931,
60.7329

■ 44.6187, 75.1188,
56.0697

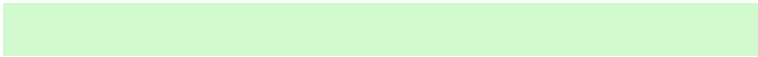
■ 43.3450, 74.5576,
51.6987

■ 43.2353, 74.5101,
51.2844

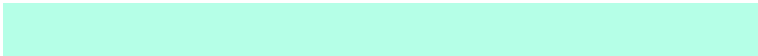
Harmonies

Analogous

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



71.9477, 87.1133, 71.1793



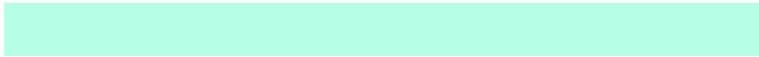
69.2399, 87.1133, 88.7665



69.9881, 87.1133, 110.8746

Triad

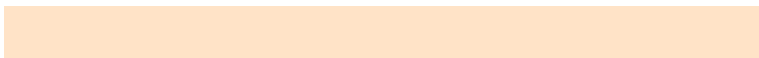
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.2399, 87.1133, 88.7665



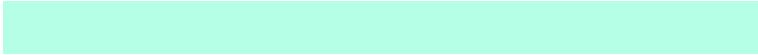
88.2191, 87.1133, 139.1335



92.2018, 87.1133, 65.8892

Complementary

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



69.2399, 87.1133, 88.7665



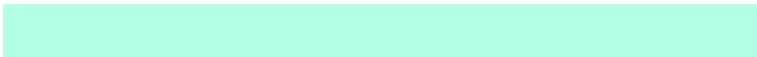
68.7840, 58.7167, 65.4663

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.



97.0840, 87.1133, 80.4518



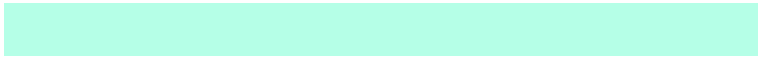
69.2399, 87.1133, 88.7665



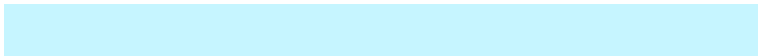
94.6890, 87.1133, 123.2643

Square

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



69.2399, 87.1133, 88.7665



80.6457, 87.1133, 142.2620



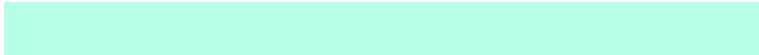
98.0209, 87.1133, 101.2086



84.9895, 87.1133, 59.3528

Rectangle

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



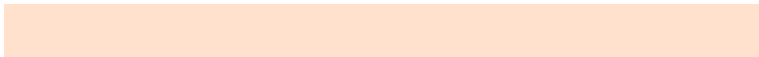
69.2399, 87.1133, 88.7665



72.3667, 87.1133, 125.1404



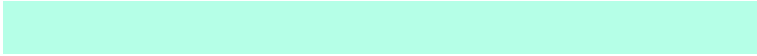
98.0209, 87.1133, 101.2086



94.1877, 87.1133, 69.8927

Sweetspot

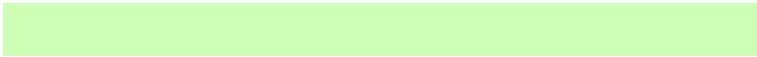
The Sweet Spot groups the original color and five complimentary colors.



69.2408, 87.1137, 88.7679



85.9296, 95.4340, 102.3387



69.4624, 87.9307, 57.0288



18.0976, 20.2794, 21.6835



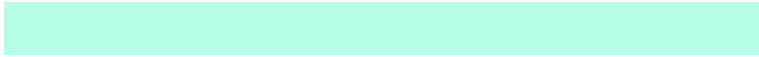
0.0000, 0.0000, 0.0000



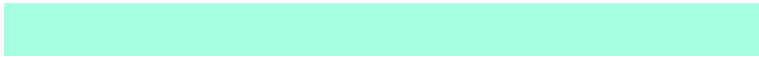
20.3446, 21.4041, 23.3091

Same Dimension

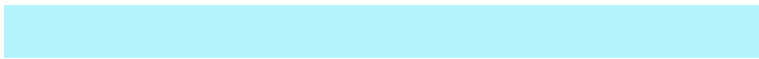
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2408, 87.1137, 88.7679



65.1686, 85.0940, 84.9813



69.0578, 80.9462, 106.5922



18.2896, 20.3754, 21.8278



22.6628, 38.9617, 27.1735



2.2568, 3.8136, 2.9099

Inverse Universe

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



68.7840, 58.7167, 65.4663



64.6467, 52.3680, 58.1498



68.7250, 62.8848, 52.2333



18.2522, 18.0842, 19.9452



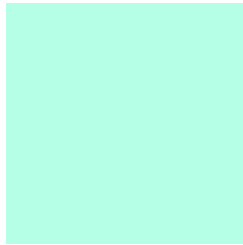
22.4190, 11.4569, 5.5907



2.2305, 1.1346, 0.7952

Previews

White Background



This preview shows how the XYZ color 69.2399, 87.1133, 88.7665 looks on a white background.

Color Contrast Check

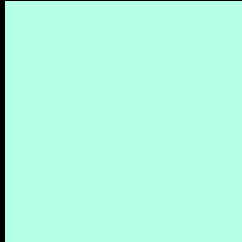
Large Text (above 18pt) WCAG AA × Fail

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 69.2399, 87.1133, 88.7665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

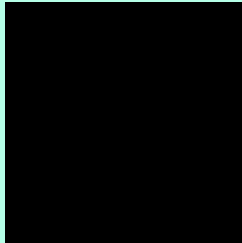
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

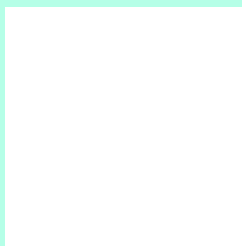
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.2399, 87.1133, 88.7665

Background



This preview shows how black text looks on a background with the XYZ color 69.2399, 87.1133, 88.7665.



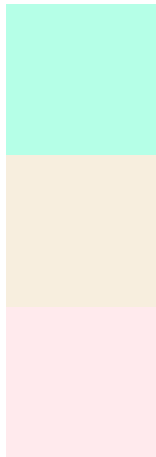
This preview shows how white text looks on a background with the XYZ color 69.2399, 87.1133,

88.7665.

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

69.2399, 87.1133, 88.7665

Protanopia

82.1171, 86.1972, 81.4169

Deuteranopia

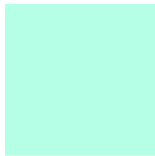
85.9489, 86.2201, 92.2329



Tritanopia

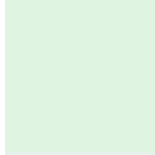
78.7196, 86.5203, 107.1589

Trichromacy



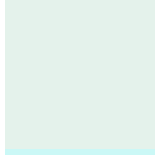
Original Color

69.2399, 87.1133, 88.7665



Protanomaly

76.3727, 85.8256, 83.7749



Deuteranomaly

78.7424, 85.9964, 91.0461



Tritanomaly

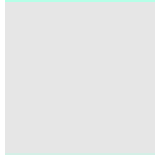
74.8306, 86.4851, 99.9381

Monochromacy



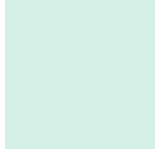
Original Color

69.2399, 87.1133, 88.7665



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.3008, 81.4432, 86.7724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2399, 87.1133, 88.7665 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(181, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 231)  
}
```

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(181, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 69.2399, 87.1133, 88.7665 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(181, 255, 231) }
```


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

```
.border{ border-color:rgb(181, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 255, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 255, 231); box-shadow:4px 4px 4px 4px rgb(181, 255, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2399, 87.1133, 88.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 231) }
```

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

```
.background{ background-color: rgb(181,  
255, 231) }
```

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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