

Converting Colors

XYZ(75.8595, 99.4164,
103.6726)

Have a look what the booklet for
XYZ(75.8595, 99.4164, 103.6726)
contains.

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Color

**XYZ(69.7165, 87.0680,
101.9383)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFF8
RGB	172, 255, 248
RGB Percent	67%, 100%, 97%
CMY	0.3255, 0.0000, 0.0274
CMYK	0.33, 0.00, 0.03, 0.00
HSL	175°, 100%, 84%
HSV	175°, 33%, 100%
XYZ	69.7165, 87.0680, 101.9383
YIQ	229.3850, -47.2210, -19.7730

Conversions

Conversions Part 2

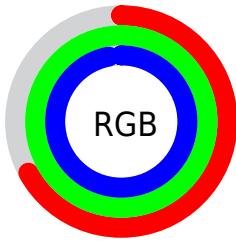
Format	Color
RYB	172, 215, 255
Decimal	11337720
CIELab	94.77, -26.52, -4.68
CIELCh	95, 26.931, 190.000
Yxy	87.0680, 0.2695, 0.3365
Android (android.graphics.Color)	4289527800 (0xFFACFF8)
YUV	229.3850, 9.1772, -50.3266
Hunter-Lab	93.3102, -29.9271, 0.5448

Details

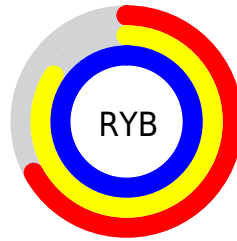
The XYZ color **69.7165, 87.0680, 101.9383** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.1299, 54.0210, 49.6956**, and the grayscale version is **74.7190, 78.6103, 85.6066**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **36.9110, 47.9069, 57.1707** is the 20% darker color. If you saturate the color by 10%, you get **64.3155, 84.3219, 99.9554**, and if you desaturate by 10%, it is **76.1971, 90.3700, 103.9946**.

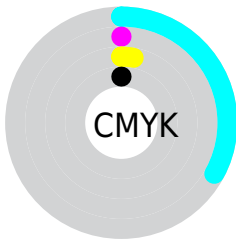
Distribution



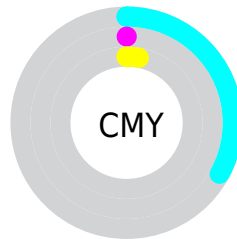
- Red (67%)
- Green (100%)
- Blue (97%)



- Red (67%)
- Yellow (84%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7165, 87.0680, 101.9383 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 69.7165, 87.0680, 101.9383 by changing the saturation by 10% instead.

69.7165, 87.0680,
101.9383

69.7165, 87.0680,
101.9383

448.8359,
518.4463, 587.6890

51.5742, 65.5515,
77.2944

117.8329,
143.2589, 165.8934

36.8887, 47.9084,
56.9815

148.5376,
178.7021, 206.0416

25.2946, 33.7543,
40.5811

184.1606,
219.5563, 252.1950

16.4266, 22.7049,
27.6747

225.0671,
266.2059, 304.7722

9.9193, 14.3758,
17.8437

271.6226,
319.0353, 364.1916

5.4073, 8.3825,
10.6695

324.1923,

2.5254, 4.3407,

378.4289, 430.8719

5.7337

383.1416,
444.7711, 505.2315

■ 0.9081, 1.8659,
2.6177

■ 0.0000, 0.5277,
0.9016

■ 69.7165, 87.0680,
101.9383

■ 69.7165, 87.0680,
101.9383

■ 64.3155, 84.3219,
99.9554

■ 76.1971, 90.3700,
103.9946

■ 59.9294, 82.0987,
98.0386

■ 83.8110, 94.2559,
106.1225

■ 56.4915, 80.3638,
96.1859

■ 92.6119, 98.7533,
108.3262

■ 53.9254, 79.0779,
94.3939

■ 95.0500, 100.0000,
108.9000

■ 52.1432, 78.1958,
92.6583

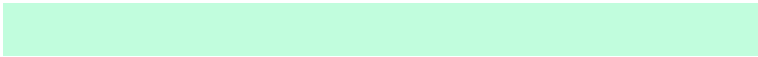
■ 51.0386, 77.6625,
90.9741

■ 50.5393, 77.4317,
89.7470

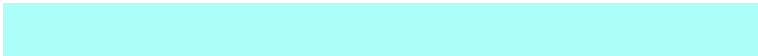
Harmonies

Analogous

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



70.2816, 87.0680, 81.7362



69.7165, 87.0680, 101.9383



72.4849, 87.0680, 122.9887

Triad

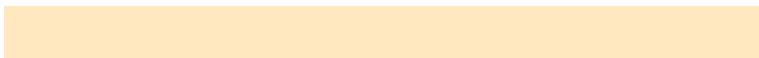
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7165, 87.0680, 101.9383



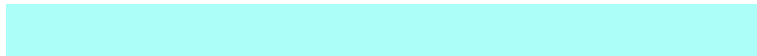
92.0872, 87.0680, 128.9631



87.6381, 87.0680, 61.8888

Complementary

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



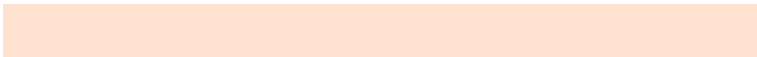
69.7165, 87.0680, 101.9383



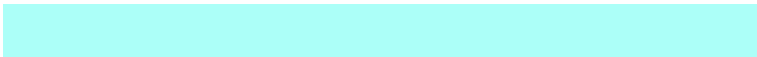
64.1299, 54.0210, 49.6956

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.



93.9532, 87.0680, 71.2891



69.7165, 87.0680, 101.9383



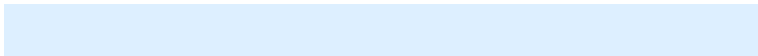
96.6244, 87.0680, 109.1914

Square

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



69.7165, 87.0680, 101.9383



85.2111, 87.0680, 140.0372



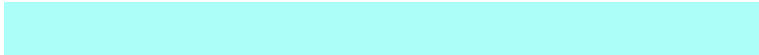
97.3267, 87.0680, 88.0073



80.3476, 87.0680, 60.5371

Rectangle

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



69.7165, 87.0680, 101.9383



75.9493, 87.0680, 133.9487



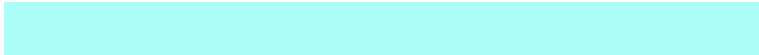
97.3267, 87.0680, 88.0073



89.9567, 87.0680, 64.1389

Sweetspot

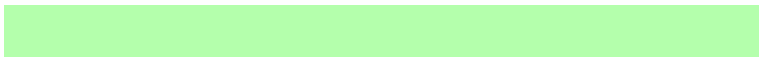
The Sweet Spot groups the original color and five complimentary colors.



69.7175, 87.0684, 101.9398



85.9386, 95.3427, 106.6767



62.0997, 84.2384, 52.0179



18.1411, 20.2779, 22.7676



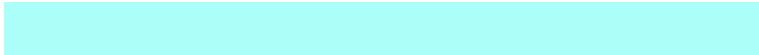
0.0000, 0.0000, 0.0000



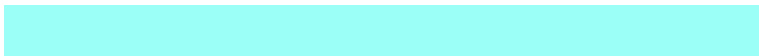
20.3446, 21.4041, 23.3091

Same Dimension

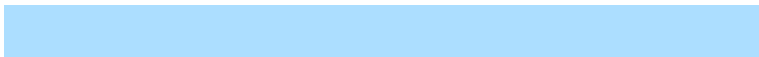
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7175, 87.0684, 101.9398



66.1124, 85.2347, 100.6516



61.1325, 68.1280, 104.5357



18.4849, 20.4535, 22.8564



26.4354, 40.4708, 47.0397



2.5926, 3.9480, 4.6785

Inverse Universe

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



64.1299, 54.0210, 49.6956



59.7481, 47.5642, 41.1232



70.5663, 67.9980, 48.4370



18.0715, 18.0119, 18.9939



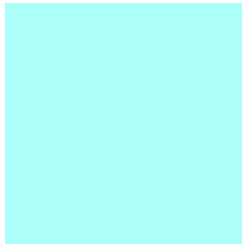
21.6433, 11.1466, 1.5059



2.1276, 1.0934, 0.2533

Previews

White Background



This preview shows how the XYZ color 69.7165, 87.0680, 101.9383 looks on a white background.

Color Contrast Check

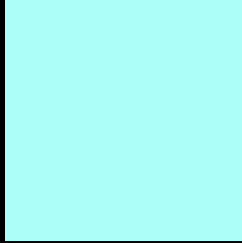
Large Text (above 18pt) WCAG AA × Fail

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 69.7165, 87.0680, 101.9383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

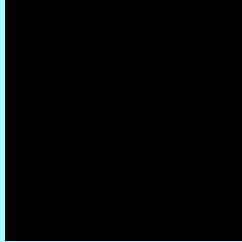
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7165, 87.0680, 101.9383

Background



This preview shows how black text looks on a background with the XYZ color 69.7165, 87.0680, 101.9383.

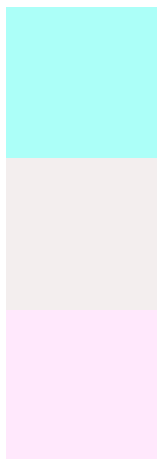


This preview shows how white text looks on a background with the XYZ color 69.7165, 87.0680,

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

69.7165, 87.0680, 101.9383

Protanopia

82.9693, 86.3768, 93.1884

Deuteranopia

87.6673, 86.0015, 104.0748



Tritanopia

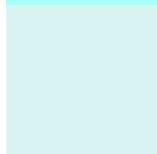
78.1430, 86.6709, 107.2183

Trichromacy



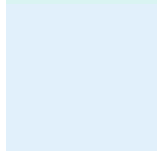
Original Color

69.7165, 87.0680, 101.9383



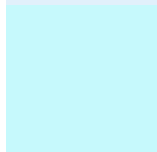
Protanomaly

76.9930, 85.8639, 96.5198



Deuteranomaly

79.6240, 85.2928, 103.5333



Tritanomaly

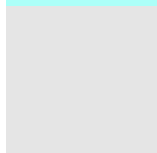
74.7351, 86.7854, 104.9078

Monochromacy



Original Color

69.7165, 87.0680, 101.9383



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7273, 80.6151, 91.1367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7165, 87.0680, 101.9383 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(172, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 248)  
}
```

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(172, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 69.7165, 87.0680, 101.9383 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(172, 255, 248) }
```


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

```
.border{ border-color:rgb(172, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7165, 87.0680, 101.9383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 248) }
```

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

```
.background{ background-color: rgb(172,  
255, 248) }
```

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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