

Converting Colors

XYZ(76.3280, 100.0000,
100.0550)

Have a look what the booklet for
XYZ(76.3280, 100.0000, 100.0550)
contains.

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Color

**XYZ(70.0691, 87.3382,
97.9589)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFF3
RGB	177, 255, 243
RGB Percent	69%, 100%, 95%
CMY	0.3059, 0.0000, 0.0471
CMYK	0.31, 0.00, 0.05, 0.00
HSL	171°, 100%, 85%
HSV	171°, 31%, 100%
XYZ	70.0691, 87.3382, 97.9589
YIQ	230.3100, -42.6360, -20.2680

Conversions

Conversions Part 2

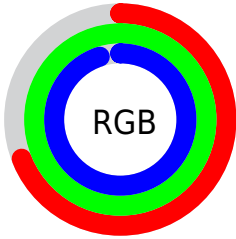
Format	Color
R_{YB}	177, 219, 255
Decimal	11665395
CIE Lab	94.88, -26.26, -1.90
CIE LCh	95, 26.325, 184.137
Yxy	87.3382, 0.2744, 0.3420
Android (android.graphics.Color)	4289855475 (0xFFB1FFF3)
YUV	230.3100, 6.2562, -46.7529
Hunter-Lab	93.4549, -29.7133, 3.2710

Details

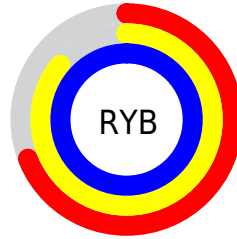
The XYZ color **70.0691, 87.3382, 97.9589** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.1482, 56.3796, 55.5407**, and the grayscale version is **75.4210, 79.3487, 86.4108**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **37.1898, 48.1136, 54.3405** is the 20% darker color. If you saturate the color by 10%, you get **64.2077, 84.3842, 94.6263**, and if you desaturate by 10%, it is **77.0303, 90.8576, 101.4119**.

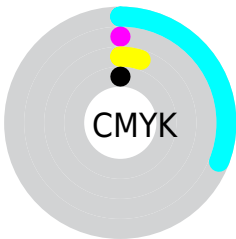
Distribution



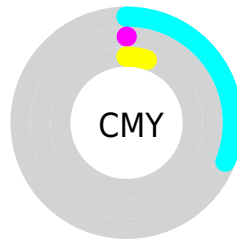
- Red (69%)
- Green (100%)
- Blue (95%)



- Red (69%)
- Yellow (86%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0691, 87.3382, 97.9589 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 70.0691, 87.3382, 97.9589 by changing the saturation by 10% instead.


 70.0691, 87.3382,
97.9589

 70.0691, 87.3382,
97.9589

450.0552,
519.3335, 574.8194

 51.8627, 65.7751,
73.9897


 118.3330,
143.6354, 160.3767

 37.1194, 48.0899,
54.2888


149.1212,
179.1384, 199.6624

 25.4741, 33.8981,
38.4379

184.8341,
220.0567, 244.8907

 16.5612, 22.8153,
26.0183

225.8369,
266.7749, 296.4800

 10.0155, 14.4572,
16.6114

272.4951,
319.6773, 354.8490

 5.4716, 8.4393,
9.7988

325.1739,

 2.5641, 4.3773,

379.1482, 420.4162

5.1619

384.2389,
445.5722, 493.6002

■ 0.9277, 1.8868,
2.2822

■ 0.0000, 0.5404,
0.7212

■ 70.0691, 87.3382,
97.9589

■ 70.0691, 87.3382,
97.9589

■ 64.2077, 84.3842,
94.6263

■ 77.0303, 90.8576,
101.4119

■ 59.3826, 81.9631,
91.4065

■ 85.1443, 94.9699,
104.9839

■ 55.5282, 80.0408,
88.2974

■ 94.4643, 99.7023,
108.6792

■ 52.5700, 78.5792,
85.2950

■ 95.0500, 100.0000,
108.9000

■ 50.4228, 77.5342,
82.3950

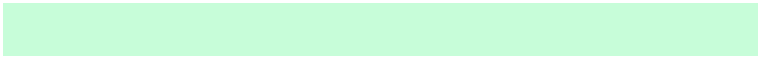
■ 48.9844, 76.8533,
79.5923

■ 48.1254, 76.4662,
77.0353

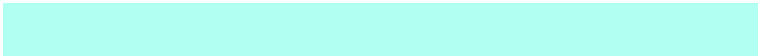
Harmonies

Analogous

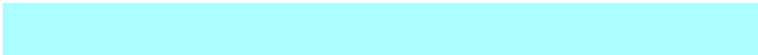
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2710, 87.3382, 78.9689



70.0691, 87.3382, 97.9589



72.1687, 87.3382, 118.8891

Triad

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



70.0691, 87.3382, 97.9589



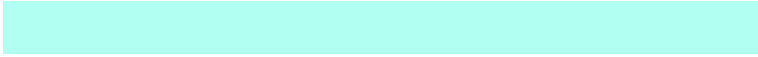
90.9503, 87.3382, 131.4582



89.1407, 87.3382, 63.9463

Complementary

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



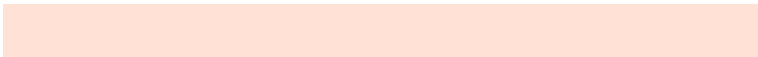
70.0691, 87.3382, 97.9589



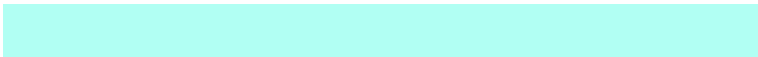
66.1482, 56.3796, 55.5407

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.



94.8911, 87.3382, 74.7108



70.0691, 87.3382, 97.9589



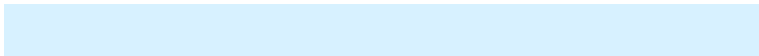
95.9771, 87.3382, 113.2826

Square

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



70.0691, 87.3382, 97.9589



84.0059, 87.3382, 139.9055



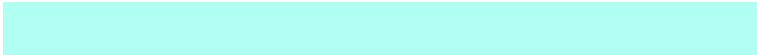
97.4587, 87.3382, 92.2903



82.0266, 87.3382, 61.0498

Rectangle

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



70.0691, 87.3382, 97.9589



75.2329, 87.3382, 130.6180



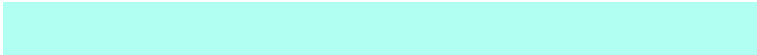
97.4587, 87.3382, 92.2903



91.3104, 87.3382, 66.6805

Sweetspot

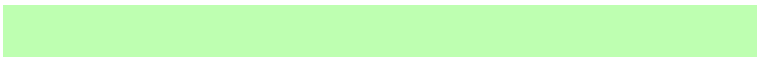
The Sweet Spot groups the original color and five complimentary colors.



70.0701, 87.3386, 97.9604



86.5417, 95.6789, 105.5620



64.9319, 85.6419, 54.7048



18.2490, 20.3400, 22.4811



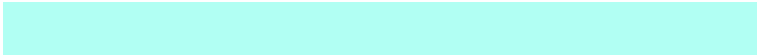
0.0000, 0.0000, 0.0000



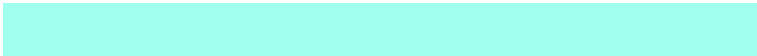
20.3446, 21.4041, 23.3091

Same Dimension

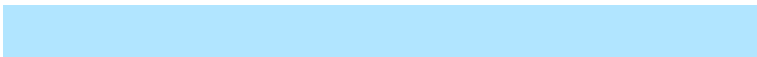
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0701, 87.3386, 97.9604



66.1880, 85.3810, 95.8090



64.2017, 72.6066, 105.2384



18.4277, 20.4306, 22.5552



25.1919, 39.9733, 40.4912



2.4839, 3.9045, 4.1058

Inverse Universe

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



66.1482, 56.3796, 55.5407



61.6778, 49.7292, 46.9898



70.5325, 67.1472, 50.8398



18.1233, 18.0326, 19.2662



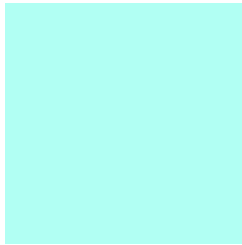
21.7758, 11.1996, 2.2038



2.1519, 1.1031, 0.3811

Previews

White Background



This preview shows how the XYZ color 70.0691, 87.3382, 97.9589 looks on a white background.

Color Contrast Check

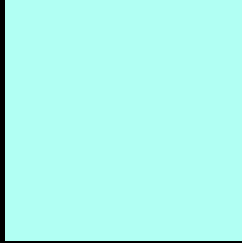
Large Text (above 18pt) WCAG AA × Fail

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 70.0691, 87.3382, 97.9589 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 70.0691, 87.3382, 97.9589

Background



This preview shows how black text looks on a background with the XYZ color 70.0691, 87.3382, 97.9589.



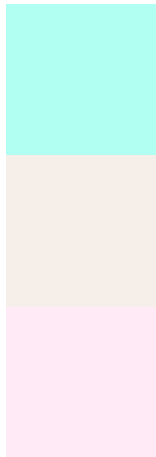
This preview shows how white text looks on a background with the XYZ color 70.0691, 87.3382,

97.9589.

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

70.0691, 87.3382, 97.9589

Protanopia

82.9387, 86.4447, 89.4050

Deuteranopia

87.2974, 86.7595, 99.3340



Tritanopia

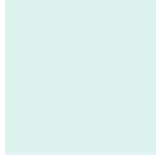
78.7267, 86.9719, 107.2457

Trichromacy



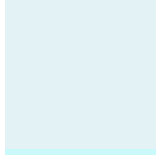
Original Color

70.0691, 87.3382, 97.9589



Protanomaly

77.1519, 86.0314, 92.6602



Deuteranomaly

79.9121, 86.4277, 98.8566



Tritanomaly

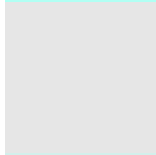
75.3757, 87.1339, 104.1126

Monochromacy



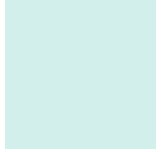
Original Color

70.0691, 87.3382, 97.9589



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.7259, 81.5800, 90.5107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0691, 87.3382, 97.9589 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(177, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 243)  
}
```

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(177, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 70.0691, 87.3382, 97.9589 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(177, 255, 243) }
```


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

```
.border{ border-color:rgb(177, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(177, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0691, 87.3382, 97.9589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 243) }
```

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

```
.background{ background-color: rgb(177,  
255, 243) }
```

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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