

Converting Colors

XYZ(76.5899, 100.0000,
103.9297)

Have a look what the booklet for
XYZ(76.5899, 100.0000, 103.9297)
contains.

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Color

**XYZ(70.3825, 87.4113,
101.9695)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFFF8
RGB	175, 255, 248
RGB Percent	69%, 100%, 97%
CMY	0.3137, 0.0000, 0.0274
CMYK	0.31, 0.00, 0.03, 0.00
HSL	175°, 100%, 84%
HSV	175°, 31%, 100%
XYZ	70.3825, 87.4113, 101.9695
YIQ	230.2820, -45.4330, -19.1370

Conversions

Conversions Part 2

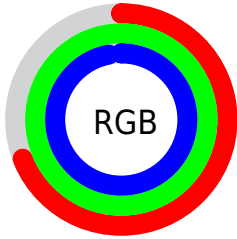
Format	Color
R_{YB}	175, 217, 255
Decimal	11534328
CIE _{Lab}	94.91, -25.72, -4.45
CIE _{LCh}	95, 26.098, 189.808
Yxy	87.4113, 0.2709, 0.3365
Android (android.graphics.Color)	4289724408 (0xFFAFF8)
YUV	230.2820, 8.7350, -48.4823
Hunter-Lab	93.4940, -29.2393, 0.7810

Details

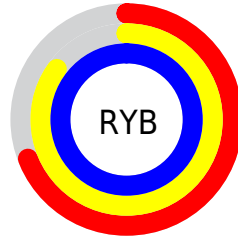
The XYZ color **70.3825, 87.4113, 101.9695** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.0143, 55.2987, 51.5039**, and the grayscale version is **75.3840, 79.3099, 86.3684**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **37.3163, 48.1159, 57.1897** is the 20% darker color. If you saturate the color by 10%, you get **64.8459, 84.5968, 99.9158**, and if you desaturate by 10%, it is **77.0059, 90.7855, 104.0985**.

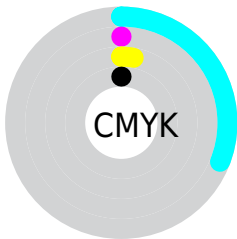
Distribution



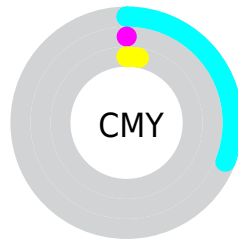
- Red (69%)
- Green (100%)
- Blue (97%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3825, 87.4113, 101.9695 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 70.3825, 87.4113, 101.9695 by changing the saturation by 10% instead.


 70.3825, 87.4113,
101.9695

 70.3825, 87.4113,
101.9695


451.1374,
519.5734, 587.7893

 52.1191, 65.8356,
77.3203


 118.7774,
143.7373, 165.9365

 37.3247, 48.1390,
57.0027


149.6396,
179.2564, 206.0915

 25.6338, 33.9370,
40.5980

185.4321,
220.1921, 252.2521

 16.6811, 22.8452,
27.6878

226.5204,
266.9288, 304.8369

 10.1013, 14.4792,
17.8535

273.2697,
319.8509, 364.2645

 5.5290, 8.4547,
10.6765

326.0454,

 2.5988, 4.3873,

379.3428, 430.9534

5.7383

385.2128,
445.7888, 505.3222

0.9453, 1.8925,
2.6204

0.0000, 0.5438,
0.9030

70.3825, 87.4113,
101.9695

70.3825, 87.4113,
101.9695

64.8459, 84.5968,
99.9158

77.0059, 90.7855,
104.0985

60.3321, 82.3091,
97.9299

84.7693, 94.7470,
106.3011

56.7750, 80.5142,
96.0102

93.7260, 99.3232,
108.5812

54.0995, 79.1733,
94.1530

95.0500, 100.0000,
108.9000

■ 52.2195, 78.2419,
92.3544

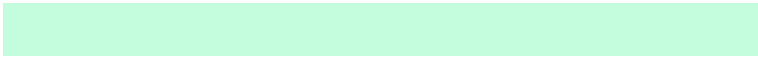
■ 51.0311, 77.6667,
90.6092

■ 50.4241, 77.3856,
89.1399

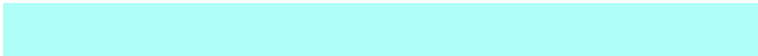
Harmonies

Analogous

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



70.9547, 87.4113, 82.3491



70.3825, 87.4113, 101.9695



73.0616, 87.4113, 122.3672

Triad

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



70.3825, 87.4113, 101.9695



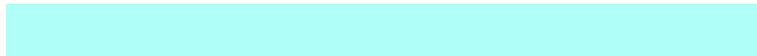
92.1009, 87.4113, 128.3592



87.8674, 87.4113, 63.0876

Complementary

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



70.3825, 87.4113, 101.9695



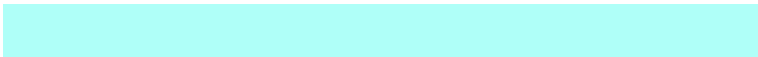
65.0143, 55.2987, 51.5039

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.



93.9787, 87.4113, 72.3445



70.3825, 87.4113, 101.9695



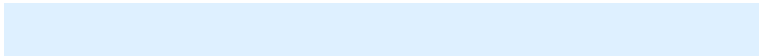
96.5175, 87.4113, 109.2702

Square

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



70.3825, 87.4113, 101.9695



85.4212, 87.4113, 138.9698



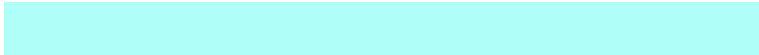
97.2236, 87.4113, 88.6912



80.7855, 87.4113, 61.7100

Rectangle

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



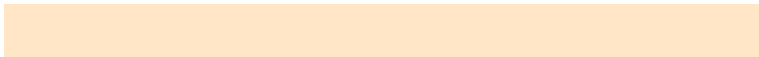
70.3825, 87.4113, 101.9695



76.4252, 87.4113, 132.9871



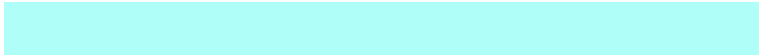
97.2236, 87.4113, 88.6912



90.1141, 87.4113, 65.3113

Sweetspot

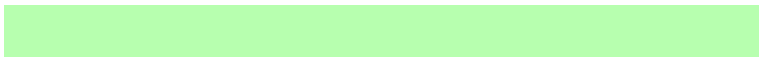
The Sweet Spot groups the original color and five complimentary colors.



70.3835, 87.4118, 101.9710



86.7833, 95.7755, 106.8346



63.0274, 84.6829, 53.5827



18.3090, 20.3639, 22.7968



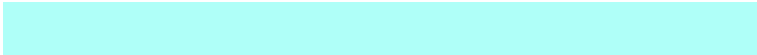
0.0000, 0.0000, 0.0000



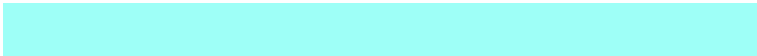
20.3446, 21.4041, 23.3091

Same Dimension

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



70.3835, 87.4118, 101.9710



66.5952, 85.4852, 100.6007



62.1180, 69.1104, 104.6734



18.4823, 20.4524, 22.8426



26.3761, 40.4470, 46.7273



2.5875, 3.9459, 4.6514

Inverse Universe

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



65.0143, 55.2987, 51.5039



60.4199, 48.5222, 42.5357



71.2915, 68.9819, 50.1165



18.0739, 18.0129, 19.0062



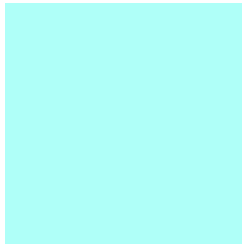
21.6479, 11.1484, 1.5302



2.1287, 1.0938, 0.2591

Previews

White Background



This preview shows how the XYZ color 70.3825, 87.4113, 101.9695 looks on a white background.

Color Contrast Check

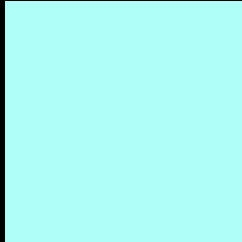
Large Text (above 18pt) WCAG AA × Fail

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 70.3825, 87.4113, 101.9695 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 70.3825, 87.4113, 101.9695

Background



This preview shows how black text looks on a background with the XYZ color 70.3825, 87.4113, 101.9695.

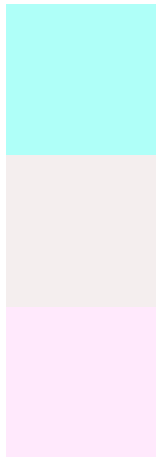


This preview shows how white text looks on a background with the XYZ color 70.3825, 87.4113,

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

70.3825, 87.4113, 101.9695

Protanopia

83.3154, 86.5552, 93.2046

Deuteranopia

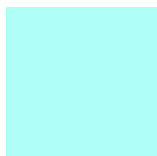
87.9496, 86.5661, 104.1689



Tritanopia

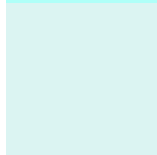
78.4340, 86.8210, 107.2320

Trichromacy



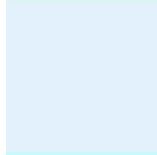
Original Color

70.3825, 87.4113, 101.9695



Protanomaly

77.5911, 86.1722, 96.5478



Deuteranomaly

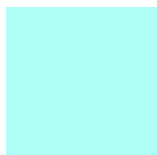
80.2319, 86.0444, 103.6463



Tritanomaly

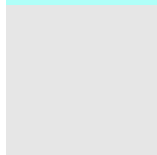
75.2658, 87.0590, 104.9326

Monochromacy



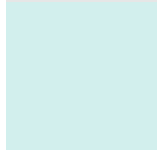
Original Color

70.3825, 87.4113, 101.9695



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.7309, 81.5491, 92.0280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3825, 87.4113, 101.9695 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(175, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 70.3825, 87.4113, 101.9695 is called "border". The border property can be set on classes, ids or directly on the HTML element.

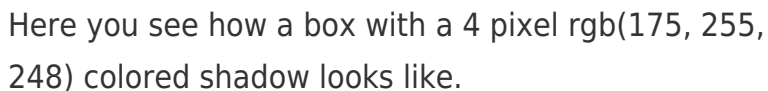
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 255, 248) }
```


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

```
.border{ border-color:rgb(175, 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(175, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 255, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 255, 248); box-shadow:4px 4px 4px 4px rgb(175, 255, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3825, 87.4113, 101.9695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 248) }
```

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

```
.background{ background-color: rgb(175,  
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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