

Converting Colors

XYZ(75.9303, 98.9607,
108.7616)

Have a look what the booklet for
XYZ(75.9303, 98.9607, 108.7616)
contains.

XYZ(70.0116, 87.1108, 106.8900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.0116, 87.1108,
106.8900)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFFE
RGB	169, 255, 254
RGB Percent	66%, 100%, 100%
CMY	0.3372, 0.0000, 0.0039
CMYK	0.34, 0.00, 0.00, 0.00
HSL	179°, 100%, 83%
HSV	179°, 34%, 100%
XYZ	70.0116, 87.1108, 106.8900
YIQ	229.1720, -50.9350, -18.5430

Conversions

Conversions Part 2

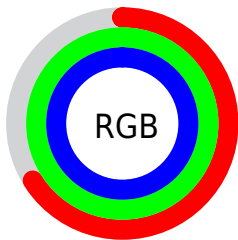
Format	Color
RYB	169, 212, 255
Decimal	11141118
CIELab	94.79, -25.96, -7.76
CIELCh	95, 27.100, 196.646
Yxy	87.1108, 0.2652, 0.3299
Android (android.graphics.Color)	4289331198 (0xFFA9FFFE)
YUV	229.1720, 12.2402, -52.7708
Hunter-Lab	93.3332, -29.4356, -2.5688

Details

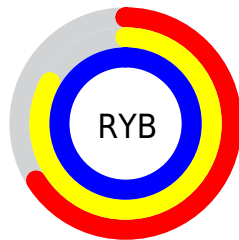
The XYZ color **70.0116, 87.1108, 106.8900** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.6846, 52.5397, 44.8686**, and the grayscale version is **74.5425, 78.4245, 85.4043**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **37.0822, 47.9301, 60.1203** is the 20% darker color. If you saturate the color by 10%, you get **65.0174, 84.5416, 106.4105**, and if you desaturate by 10%, it is **76.0748, 90.2310, 107.4229**.

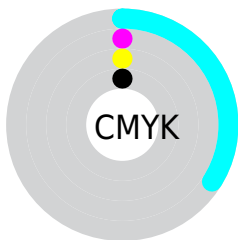
Distribution



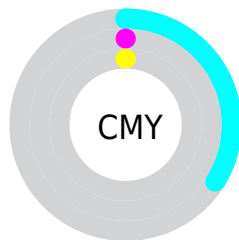
- Red (66%)
- Green (100%)
- Blue (100%)



- Red (66%)
- Yellow (83%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0116, 87.1108, 106.8900 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 70.0116, 87.1108, 106.8900 by changing the saturation by 10% instead.


 70.0116, 87.1108,
106.8900

 70.0116, 87.1108,
106.8900


449.8565,
518.5869, 603.4983

 51.8156, 65.5869,
81.4182


 118.2515,
143.3186, 172.7280

 37.0818, 47.9371,
60.3530


149.0261,
178.7712, 213.9313

 25.4448, 33.7771,
43.2761


184.7243,
219.6356, 261.2154

 16.5393, 22.7224,
29.7688

225.7114,
266.2961, 314.9990

 9.9998, 14.3887,
19.4126

272.3529,
319.1370, 375.7005

 5.4611, 8.3915,
11.7890

325.0139,

 2.5578, 4.3465,

378.5429, 443.7385

6.4794

384.0600,
444.8980, 519.5316

0.9245, 1.8692,
3.0652

0.0000, 0.5298,
1.1280

70.0116, 87.1108,
106.8900

70.0116, 87.1108,
106.8900

65.0174, 84.5416,
106.4105

76.0748, 90.2310,
107.4229

61.0267, 82.4898,
105.9768

83.2610, 93.9301,
108.0072

57.9719, 80.9204,
105.5873

91.6245, 98.2361,
108.6471

55.7756, 79.7937,
105.2384

95.0500, 100.0000,
108.9000

■ 54.3482, 79.0632,
104.9258

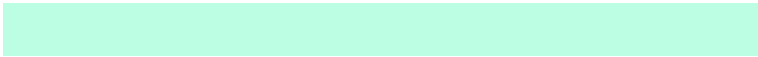
■ 53.5802, 78.6728,
104.6445

■ 53.3370, 78.5508,
104.4793

Harmonies

Analogous

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



69.8243, 87.1108, 85.8269



70.0116, 87.1108, 106.8900



73.4911, 87.1108, 127.3363

Triad

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



70.0116, 87.1108, 106.8900



93.4749, 87.1108, 125.3506



86.0948, 87.1108, 60.7421

Complementary

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



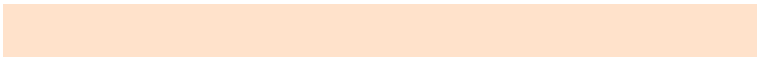
70.0116, 87.1108, 106.8900



62.6846, 52.5397, 44.8686

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.



92.8553, 87.1108, 68.4181



70.0116, 87.1108, 106.8900



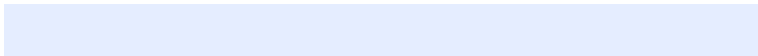
97.2827, 87.1108, 104.4819

Square

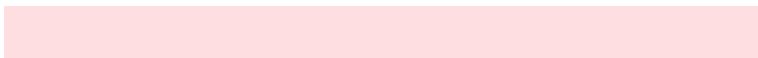
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0116, 87.1108, 106.8900



86.9003, 87.1108, 139.0240



97.0495, 87.1108, 83.7478



78.8234, 87.1108, 61.1892

Rectangle

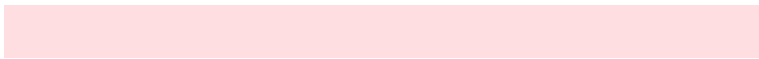
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0116, 87.1108, 106.8900



77.3331, 87.1108, 136.9498



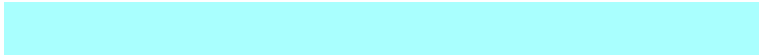
97.0495, 87.1108, 83.7478



88.5108, 87.1108, 62.4033

Sweetspot

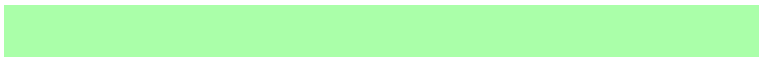
The Sweet Spot groups the original color and five complimentary colors.



70.0127, 87.1113, 106.8915



86.2353, 95.4613, 108.2389



59.5940, 82.9796, 50.4137



18.2135, 20.3068, 23.1487



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

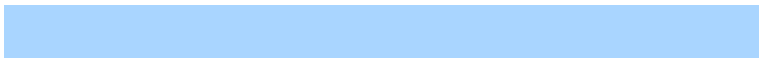
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0127, 87.1113, 106.8915



66.7568, 85.4363, 106.5839



58.3169, 63.4632, 103.7837



18.5453, 20.4776, 23.1743



27.8739, 41.0462, 54.6148



2.7168, 3.9977, 5.3325

Inverse Universe

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



62.6846, 52.5397, 44.8686



58.4793, 46.3817, 36.5226



71.5890, 70.4992, 47.3726



18.0180, 17.9905, 18.7118



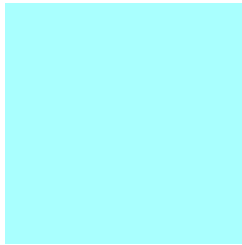
21.5610, 11.1137, 1.0725



2.1022, 1.0832, 0.1195

Previews

White Background



This preview shows how the XYZ color 70.0116, 87.1108, 106.8900 looks on a white background.

Color Contrast Check

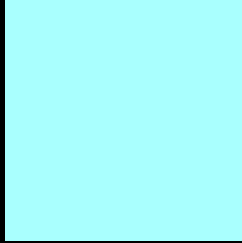
Large Text (above 18pt) WCAG AA × Fail

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 70.0116, 87.1108, 106.8900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

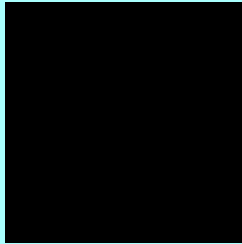
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0116, 87.1108, 106.8900

Background



This preview shows how black text looks on a background with the XYZ color 70.0116, 87.1108, 106.8900.

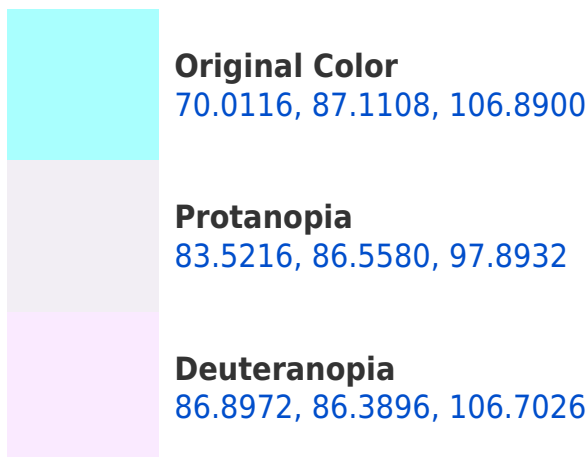


This preview shows how white text looks on a background with the XYZ color 70.0116, 87.1108,

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

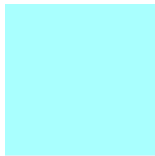




Tritanopia

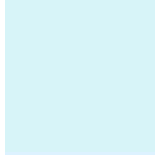
77.8538, 86.5219, 107.2048

Trichromacy



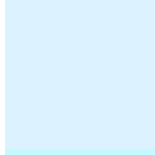
Original Color

70.0116, 87.1108, 106.8900



Protanomaly

77.3183, 85.9258, 101.3172



Deuteranomaly

79.6209, 86.0964, 107.0295



Tritanomaly

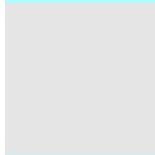
74.6906, 86.7071, 107.4073

Monochromacy



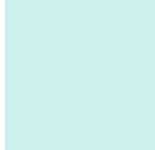
Original Color

70.0116, 87.1108, 106.8900



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7393, 80.5875, 92.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0116, 87.1108, 106.8900 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(169, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 254)  
}
```

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(169, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 70.0116, 87.1108, 106.8900 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(169, 255, 254) }
```


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

```
.border{ border-color:rgb(169, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 255, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 255, 254); box-shadow:4px 4px 4px 4px rgb(169, 255, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0116, 87.1108, 106.8900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 254) }
```

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

```
.background{ background-color: rgb(169,  
255, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor