

Converting Colors

XYZ(70.2842, 87.2698,
106.0689)

Have a look what the booklet for
XYZ(70.2842, 87.2698, 106.0689)
contains.

XYZ(70.2842, 87.2698, 106.0689)	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(70.2842, 87.2698,
106.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFFD
RGB	171, 255, 253
RGB Percent	67%, 100%, 99%
CMY	0.3294, 0.0000, 0.0078
CMYK	0.33, 0.00, 0.01, 0.00
HSL	179°, 100%, 84%
HSV	179°, 33%, 100%
XYZ	70.2842, 87.2698, 106.0689
YIQ	229.6560, -49.4220, -18.4300

Conversions

Conversions Part 2

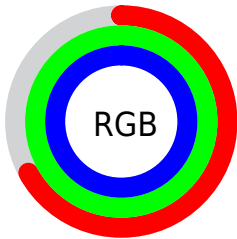
Format	Color
RYB	171, 214, 255
Decimal	11272189
CIELab	94.85, -25.67, -7.14
CIELCh	95, 26.643, 195.537
Yxy	87.2698, 0.2666, 0.3310
Android (android.graphics.Color)	4289462269 (0xFFABFFFD)
YUV	229.6560, 11.5086, -51.4413
Hunter-Lab	93.4183, -29.1858, -1.9262

Details

The XYZ color **70.2842, 87.2698, 106.0689** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.3466, 53.4044, 46.5054**, and the grayscale version is **74.9035, 78.8043, 85.8179**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **37.2281, 48.0185, 59.5309** is the 20% darker color. If you saturate the color by 10%, you get **65.1594, 84.6389, 105.3268**, and if you desaturate by 10%, it is **76.4829, 90.4541, 106.8658**.

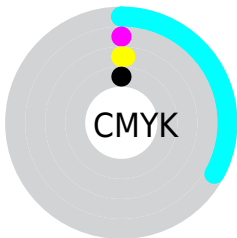
Distribution



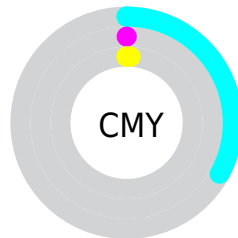
- Red (67%)
- Green (100%)
- Blue (99%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2842, 87.2698, 106.0689 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 70.2842, 87.2698, 106.0689 by changing the saturation by 10% instead.


 70.2842, 87.2698,
106.0689

 70.2842, 87.2698,
106.0689


450.7981,
519.1090, 600.8919

 52.0387, 65.7185,
80.7335


 118.6380,
143.5401, 171.5969

 37.2603, 48.0439,
59.7924


149.4770,
179.0280, 212.6266

 25.5837, 33.8617,
42.8271


185.2446,
219.9301, 259.7247

 16.6435, 22.7874,
29.4191

226.3061,
266.6309, 313.3099

 10.0744, 14.4366,
19.1498

273.0268,
319.5148, 373.8007

 5.5109, 8.4249,
11.6007

325.7722,

 2.5879, 4.3680,

378.9662, 441.6156

6.3532

384.9075,
445.3695, 517.1731

■ 0.9398, 1.8815,
2.9887

■ 0.0000, 0.5372,
1.0889

■ 70.2842, 87.2698,
106.0689

■ 70.2842, 87.2698,
106.0689

■ 65.1594, 84.6389,
105.3268

■ 76.4829, 90.4541,
106.8658

■ 61.0434, 82.5282,
104.6320

■ 83.8091, 94.2197,
107.7156

■ 57.8692, 80.9029,
103.9830

■ 92.3169, 98.5943,
108.6223

■ 55.5602, 79.7236,
103.3760

95.0500, 100.0000,
108.9000

■ 54.0279, 78.9447,
102.8070

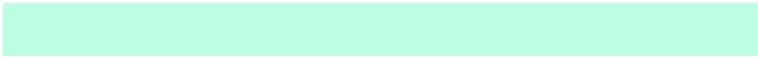
■ 53.1649, 78.5108,
102.2709

■ 52.8485, 78.3554,
101.9070

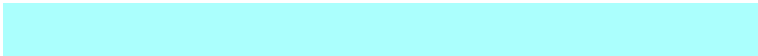
Harmonies

Analogous

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



70.2239, 87.2698, 85.4388



70.2842, 87.2698, 106.0689



73.6029, 87.2698, 126.2988

Triad

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



70.2842, 87.2698, 106.0689



93.2497, 87.2698, 125.6629



86.4612, 87.2698, 61.5032

Complementary

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



70.2842, 87.2698, 106.0689



63.3466, 53.4044, 46.5054

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.



93.0509, 87.2698, 69.3886



70.2842, 87.2698, 106.0689



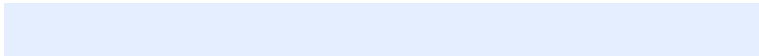
97.1216, 87.2698, 105.2962

Square

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



70.2842, 87.2698, 106.0689



86.7199, 87.2698, 138.6805



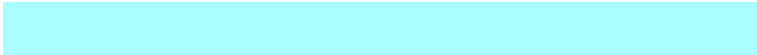
97.0468, 87.2698, 84.7700



79.2858, 87.2698, 61.6476

Rectangle

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



70.2842, 87.2698, 106.0689



77.3331, 87.2698, 135.9769



97.0468, 87.2698, 84.7700



88.8269, 87.2698, 63.2464

Sweetspot

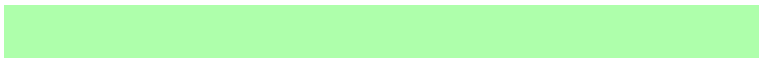
The Sweet Spot groups the original color and five complimentary colors.



70.2853, 87.2703, 106.0704



86.1854, 95.4414, 107.9761



60.5228, 83.4365, 51.4448



18.2013, 20.3020, 23.0845



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

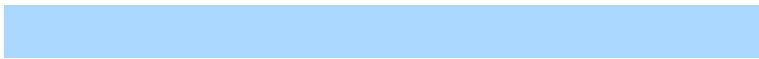
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2853, 87.2703, 106.0704



66.5586, 85.3570, 105.5402



59.3504, 64.8885, 104.0044



18.5351, 20.4736, 23.1208



27.6229, 40.9458, 53.2931



2.6953, 3.9890, 5.2190

Inverse Universe

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



63.3466, 53.4044, 46.5054



58.5835, 46.4234, 37.0714



71.6875, 70.3933, 48.3388



18.0269, 17.9941, 18.7588



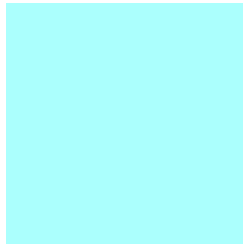
21.5737, 11.1188, 1.1397



2.1064, 1.0849, 0.1419

Previews

White Background



This preview shows how the XYZ color 70.2842, 87.2698, 106.0689 looks on a white background.

Color Contrast Check

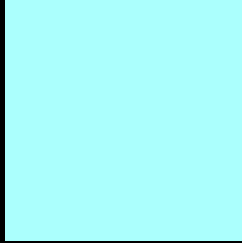
Large Text (above 18pt) WCAG AA × Fail

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 70.2842, 87.2698, 106.0689 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 70.2842, 87.2698, 106.0689

Background



This preview shows how black text looks on a background with the XYZ color 70.2842, 87.2698, 106.0689.

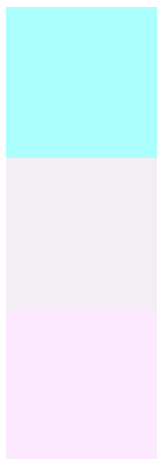


This preview shows how white text looks on a background with the XYZ color 70.2842, 87.2698,

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

70.2842, 87.2698, 106.0689

Protanopia

83.3701, 86.4974, 97.0956

Deuteranopia

87.3338, 86.1933, 106.6417



Tritanopia

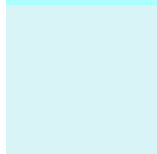
78.1430, 86.6709, 107.2183

Trichromacy



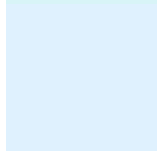
Original Color

70.2842, 87.2698, 106.0689



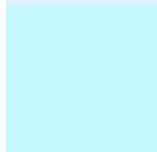
Protanomaly

77.4581, 86.0157, 100.5159



Deuteranomaly

79.7761, 85.7543, 106.1135



Tritanomaly

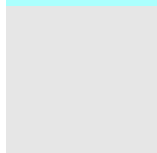
75.0538, 86.9129, 106.5860

Monochromacy



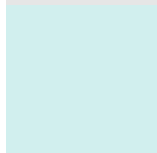
Original Color

70.2842, 87.2698, 106.0689



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.5936, 81.4614, 92.7864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2842, 87.2698, 106.0689 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(171, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 253)  
}
```

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(171, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 70.2842, 87.2698, 106.0689 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(171, 255, 253) }
```


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

```
.border{ border-color:rgb(171, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2842, 87.2698, 106.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 253) }
```

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

```
.background{ background-color: rgb(171,  
255, 253) }
```

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