

Converting Colors

XYZ(77.6742, 102.8173,
106.9140)

Have a look what the booklet for
XYZ(77.6742, 102.8173, 106.9140)
contains.

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Color

**XYZ(69.7502, 87.0311,
104.3892)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFFFB
RGB	170, 255, 251
RGB Percent	67%, 100%, 98%
CMY	0.3333, 0.0000, 0.0157
CMYK	0.33, 0.00, 0.02, 0.00
HSL	177°, 100%, 83%
HSV	177°, 33%, 100%
XYZ	69.7502, 87.0311, 104.3892
YIQ	229.1290, -49.3760, -19.2640

Conversions

Conversions Part 2

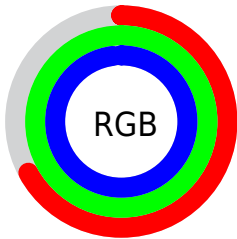
Format	Color
RYB	170, 214, 255
Decimal	11206651
CIELab	94.75, -26.38, -6.26
CIELCh	95, 27.114, 193.347
Yxy	87.0311, 0.2671, 0.3332
Android (android.graphics.Color)	4289396731 (0xFFFAAFFB)
YUV	229.1290, 10.7824, -51.8561
Hunter-Lab	93.2905, -29.7997, -1.0404

Details

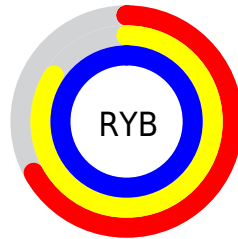
The XYZ color **69.7502, 87.0311, 104.3892** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.2557, 53.0670, 46.9545**, and the grayscale version is **74.5204, 78.4013, 85.3790**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **36.9838, 47.9057, 58.9272** is the 20% darker color. If you saturate the color by 10%, you get **64.5741, 84.3845, 103.1644**, and if you desaturate by 10%, it is **75.9987, 90.2304, 105.6734**.

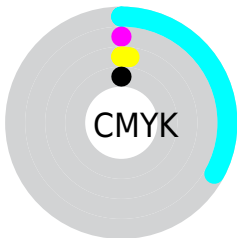
Distribution



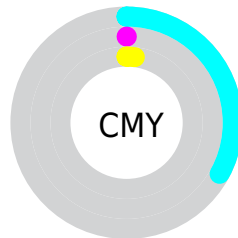
- Red (67%)
- Green (100%)
- Blue (98%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7502, 87.0311, 104.3892 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 69.7502, 87.0311, 104.3892 by changing the saturation by 10% instead.

69.7502, 87.0311,
104.3892

69.7502, 87.0311,
104.3892

448.9525,
518.3251, 595.5415

51.6018, 65.5209,
79.3339

117.8807,
143.2075, 169.2803

36.9107, 47.8836,
58.6475

148.5934,
178.6425, 209.9532

25.3117, 33.7347,
41.9113

184.2250,
219.4879, 256.6690

16.4394, 22.6899,
28.7068

225.1407,
266.1282, 309.8464

9.9285, 14.3647,
18.6154

271.7060,
318.9476, 369.9037

5.4134, 8.3747,
11.2187

324.2861,

2.5291, 4.3357,

378.3306, 437.2597

6.0981

383.2465,
444.6617, 512.3328

■ 0.9099, 1.8630,
2.8351

■ 0.0000, 0.5260,
1.0111

■ 69.7502, 87.0311,
104.3892

■ 69.7502, 87.0311,
104.3892

■ 64.5741, 84.3845,
103.1644

■ 75.9987, 90.2304,
105.6734

■ 60.4052, 82.2570,
101.9914

■ 83.3735, 94.0102,
107.0151

■ 57.1762, 80.6139,
100.8687

■ 91.9288, 98.3984,
108.4184

■ 54.8100, 79.4154,
99.7926

95.0500, 100.0000,
108.9000

■ 53.2176, 78.6158,
98.7589

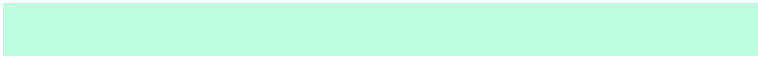
■ 52.2907, 78.1590,
97.7626

■ 51.9384, 77.9913,
97.1141

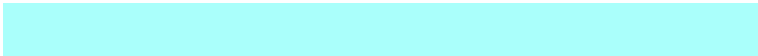
Harmonies

Analogous

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



69.9382, 87.0311, 83.6582



69.7502, 87.0311, 104.3892



72.8880, 87.0311, 125.2585

Triad

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



69.7502, 87.0311, 104.3892



92.7774, 87.0311, 127.2528



86.8259, 87.0311, 61.1110

Complementary

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



69.7502, 87.0311, 104.3892



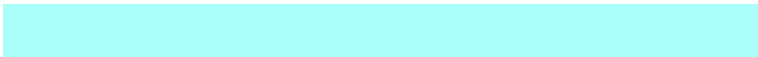
63.2557, 53.0670, 46.9545

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.



93.3996, 87.0311, 69.6668



69.7502, 87.0311, 104.3892



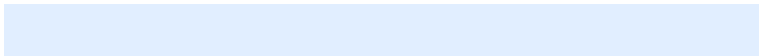
96.9723, 87.0311, 106.8075

Square

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



69.7502, 87.0311, 104.3892



86.0170, 87.0311, 139.7147



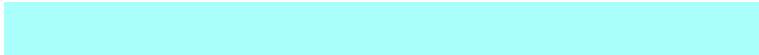
97.2065, 87.0311, 85.7458



79.5092, 87.0311, 60.6621

Rectangle

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



69.7502, 87.0311, 104.3892



76.5574, 87.0311, 135.6113



97.2065, 87.0311, 85.7458



89.2057, 87.0311, 63.0696

Sweetspot

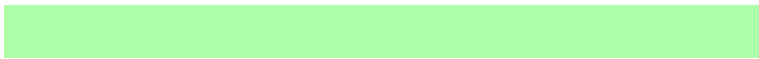
The Sweet Spot groups the original color and five complimentary colors.



69.7513, 87.0316, 104.3907



86.0903, 95.4034, 107.4757



60.5282, 83.4503, 50.9495



18.1781, 20.2927, 22.9625



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

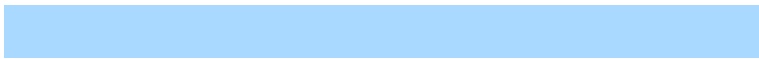
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7513, 87.0316, 104.3907



66.1839, 85.2071, 103.5669



59.3773, 65.2643, 104.0755



18.5158, 20.4658, 23.0190



27.1551, 40.7586, 50.8294



2.6549, 3.9729, 5.0067

Inverse Universe

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



63.2557, 53.0670, 46.9545



58.7854, 46.5041, 38.1346



71.1135, 69.3972, 47.6791



18.0440, 18.0009, 18.8489



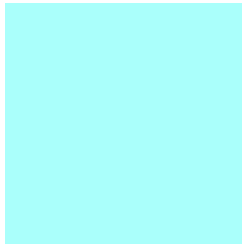
21.5981, 11.1285, 1.2680



2.1146, 1.0882, 0.1847

Previews

White Background



This preview shows how the XYZ color 69.7502, 87.0311, 104.3892 looks on a white background.

Color Contrast Check

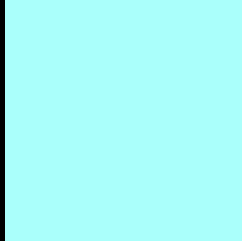
Large Text (above 18pt) WCAG AA × Fail

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 69.7502, 87.0311, 104.3892 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 69.7502, 87.0311, 104.3892

Background



This preview shows how black text looks on a background with the XYZ color 69.7502, 87.0311, 104.3892.

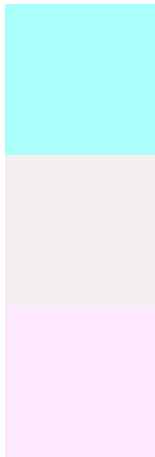


This preview shows how white text looks on a background with the XYZ color 69.7502, 87.0311,

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

69.7502, 87.0311, 104.3892

Protanopia

83.0697, 86.3772, 95.5133

Deuteranopia

87.7797, 86.0041, 106.5817



Tritanopia

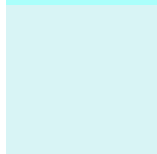
77.8538, 86.5219, 107.2048

Trichromacy



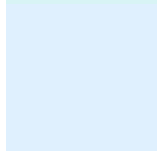
Original Color

69.7502, 87.0311, 104.3892



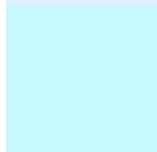
Protanomaly

77.1510, 85.8929, 98.8989



Deuteranomaly

79.4809, 85.1639, 106.0151



Tritanomaly

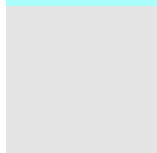
74.7910, 86.7774, 106.5737

Monochromacy



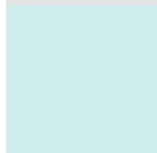
Original Color

69.7502, 87.0311, 104.3892



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.8730, 80.6734, 91.9042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7502, 87.0311, 104.3892 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(170, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 251)  
}
```

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(170, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 251) }
```

Border

The CSS property to change the border of an element to XYZ 69.7502, 87.0311, 104.3892 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(170, 255, 251) }
```


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

```
.border{ border-color:rgb(170, 255, 251) }
```

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

Here you see how a box with a 4 pixel rgb(170, 255, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7502, 87.0311, 104.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 251) }
```

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

```
.background{ background-color: rgb(170,  
255, 251) }
```

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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