

Converting Colors

XYZ(67.4970, 81.1827,
106.7201)

Have a look what the booklet for
XYZ(67.4970, 81.1827, 106.7201)
contains.

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Color

**XYZ(67.4970, 81.1827,
106.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF5FF
RGB	171, 245, 255
RGB Percent	67%, 96%, 100%
CMY	0.3294, 0.0392, 0.0000
CMYK	0.33, 0.04, 0.00, 0.00
HSL	187°, 100%, 84%
HSV	187°, 33%, 100%
XYZ	67.4970, 81.1827, 106.7201
YIQ	224.0140, -47.3140, -12.5780

Conversions

Conversions Part 2

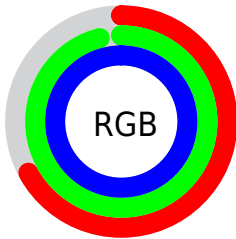
Format	Color
R_{YB}	171, 210, 255
Decimal	11269631
CIE _{Lab}	92.21, -20.35, -12.09
CIE _{LCh}	92, 23.671, 210.722
Yxy	81.1827, 0.2643, 0.3179
Android (android.graphics.Color)	4289459711 (0xFFABF5FF)
YUV	224.0140, 15.2761, -46.4933
Hunter-Lab	90.1014, -23.9592, -7.1547

Details

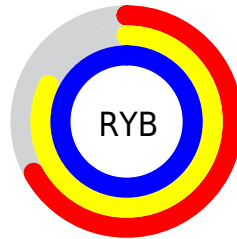
The XYZ color **67.4970, 81.1827, 106.7201** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.1148, 57.2480, 46.1481**, and the grayscale version is **70.7819, 74.4681, 81.0958**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **35.4609, 44.1172, 60.0726** is the 20% darker color. If you saturate the color by 10%, you get **61.5592, 76.7719, 106.1817**, and if you desaturate by 10%, it is **74.5256, 86.1822, 107.3146**.

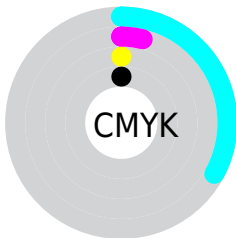
Distribution



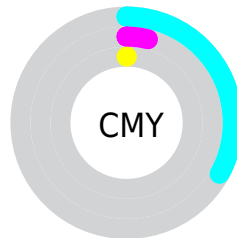
- Red (67%)
- Green (96%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4970, 81.1827, 106.7201 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 67.4970, 81.1827, 106.7201 by changing the saturation by 10% instead.

67.4970, 81.1827,
106.7201

67.4970, 81.1827,
106.7201

441.1165,
498.9097, 602.9595

49.7608, 60.6921,
81.2765

114.6781,
135.0273, 172.4940

35.4404, 43.9767,
60.2370

144.8538,
169.1500, 213.6614

24.1704, 30.6522,
43.1831

179.9067,
208.5856, 260.9071

15.5855, 20.3342,
29.6964

220.2021,
253.7184, 314.6497

9.3203, 12.6382,
19.3581

266.1054,
304.9328, 375.3077

5.0095, 7.1799,
11.7499

317.9821,

2.2876, 3.5748,

362.6132, 443.2996

6.4532

376.1973,
427.1441, 519.0440

■ 0.7883, 1.4387,
3.0493

■ 0.0000, 0.2450,
1.1199

■ 67.4970, 81.1827,
106.7201

■ 67.4970, 81.1827,
106.7201

■ 61.5592, 76.7719,
106.1817

■ 74.5256, 86.1822,
107.3146

■ 56.6438, 72.9085,
105.6950

■ 82.6955, 91.7905,
107.9666

■ 52.6848, 69.5602,
105.2574

■ 92.0618, 98.0381,
108.6788

■ 49.6056, 66.6875,
104.8652

95.0500, 100.0000,
108.9000

■ 47.3175, 64.2445,
104.5143

■ 45.7132, 62.1759,
104.1996

■ 44.8819, 60.8839,
103.9940

Harmonies

Analogous

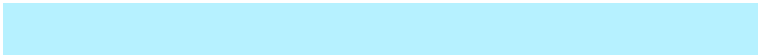
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.0011, 81.1827, 88.8187



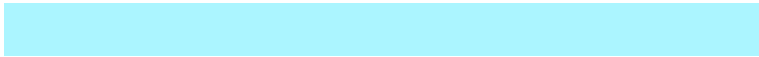
67.4970, 81.1827, 106.7201



71.5580, 81.1827, 121.1079

Triad

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



67.4970, 81.1827, 106.7201



87.8689, 81.1827, 105.8898



77.0138, 81.1827, 58.8400

Complementary

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



67.4970, 81.1827, 106.7201



65.1148, 57.2480, 46.1481

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.



83.0506, 81.1827, 62.1756



67.4970, 81.1827, 106.7201



89.5145, 81.1827, 87.9710

Square

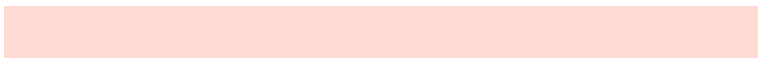
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



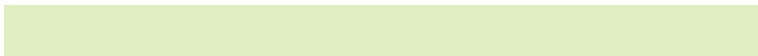
67.4970, 81.1827, 106.7201



83.3202, 81.1827, 120.5858



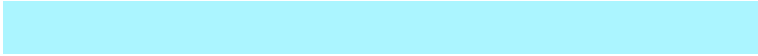
87.7076, 81.1827, 72.2963



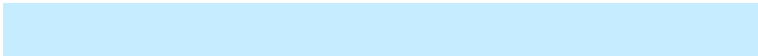
71.3145, 81.1827, 62.5115

Rectangle

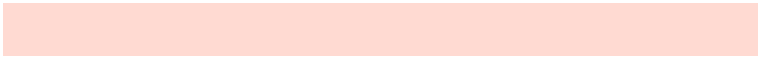
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.4970, 81.1827, 106.7201



75.2831, 81.1827, 125.9293



87.7076, 81.1827, 72.2963



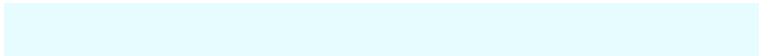
79.0713, 81.1827, 59.1741

Sweetspot

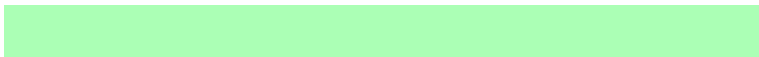
The Sweet Spot groups the original color and five complimentary colors.



67.4992, 81.1858, 106.7206



85.3224, 93.5595, 108.1696



60.8758, 83.5065, 56.5203



17.9909, 19.8431, 23.1318



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.



67.4992, 81.1858, 106.7206



63.1961, 78.0108, 106.3346



56.2492, 58.6859, 102.9706



18.3595, 20.0906, 23.1602



23.5250, 31.9595, 54.3635



2.3404, 3.2116, 5.3098

Inverse Universe

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



72.2857, 56.9801, 93.5781



68.7880, 50.5052, 90.8076



74.9257, 76.8698, 49.4184



18.6941, 18.2610, 22.2723



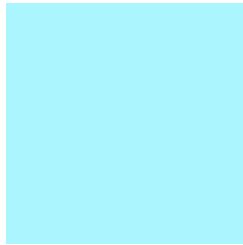
28.6625, 13.9543, 38.4688



2.8160, 1.3688, 3.8782

Previews

White Background



This preview shows how the XYZ color 67.4970, 81.1827, 106.7201 looks on a white background.

Color Contrast Check

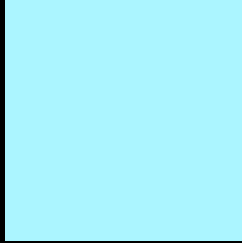
Large Text (above 18pt) WCAG AA × Fail

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 67.4970, 81.1827, 106.7201 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 67.4970, 81.1827, 106.7201

Background



This preview shows how black text looks on a background with the XYZ color 67.4970, 81.1827, 106.7201.

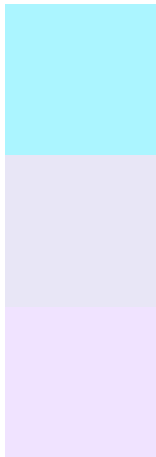


This preview shows how white text looks on a background with the XYZ color 67.4970, 81.1827,

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

67.4970, 81.1827, 106.7201

Protanopia

78.2101, 80.4033, 98.5860

Deuteranopia

81.4543, 80.6834, 105.8881



Tritanopia

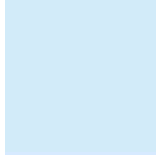
70.9483, 80.7466, 106.4540

Trichromacy



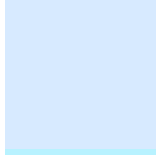
Original Color

67.4970, 81.1827, 106.7201



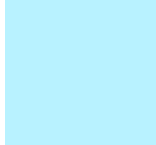
Protanomaly

73.3856, 79.9579, 101.1881



Deuteranomaly

75.4972, 80.5127, 106.1691



Tritanomaly

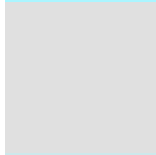
69.5693, 80.9146, 106.5591

Monochromacy



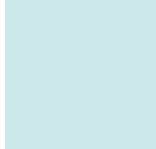
Original Color

67.4970, 81.1827, 106.7201



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.0288, 76.6905, 89.7618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4970, 81.1827, 106.7201 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 255)  
}
```

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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.4970, 81.1827, 106.7201 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, 245, 255) }
```


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

```
.border{ border-color:rgb(171, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 245, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 245, 255); box-shadow:4px 4px 4px 4px rgb(171, 245, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4970, 81.1827, 106.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 255) }
```

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

```
.background{ background-color: rgb(171,  
245, 255) }
```

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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