

Converting Colors

XYZ(72.6636, 83.8636,
133.3858)

Have a look what the booklet for
XYZ(72.6636, 83.8636, 133.3858)
contains.

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Color

**XYZ(67.5833, 81.6776,
106.8111)**

Conversions

Conversions Part 1

Format	Color
Hex	AAF6FF
RGB	170, 246, 255
RGB Percent	67%, 96%, 100%
CMY	0.3333, 0.0353, 0.0000
CMYK	0.33, 0.04, 0.00, 0.00
HSL	186°, 100%, 83%
HSV	186°, 33%, 100%
XYZ	67.5833, 81.6776, 106.8111
YIQ	224.3020, -48.1850, -13.3130

Conversions

Conversions Part 2

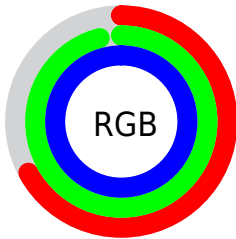
Format	Color
R _Y B	170, 210, 255
Decimal	11204351
CIE Lab	92.43, -21.10, -11.77
CIE LCh	92, 24.165, 209.150
Yxy	81.6776, 0.2639, 0.3190
Android (android.graphics.Color)	4289394431 (0xFFAAF6FF)
YUV	224.3020, 15.1341, -47.6229
Hunter-Lab	90.3757, -24.6744, -6.8093

Details

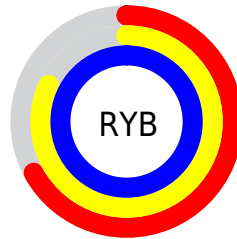
The XYZ color **67.5833, 81.6776, 106.8111** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.6159, 56.4022, 45.5130**, and the grayscale version is **70.9891, 74.6861, 81.3332**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **35.5459, 44.4815, 60.1384** is the 20% darker color. If you saturate the color by 10%, you get **61.7819, 77.4791, 106.3065**, and if you desaturate by 10%, it is **74.4700, 86.4574, 107.3707**.

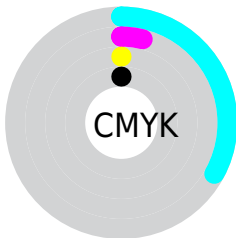
Distribution



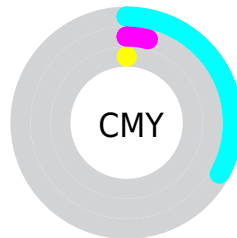
- Red (67%)
- Green (96%)
- Blue (100%)



- 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 67.5833, 81.6776, 106.8111 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 67.5833, 81.6776, 106.8111 by changing the saturation by 10% instead.

67.5833, 81.6776,
106.8111

67.5833, 81.6776,
106.8111

441.4181,
500.5686, 603.2481

49.8312, 61.0998,
81.3524

114.8010,
135.7218, 172.6194

35.4966, 44.3057,
60.2991

144.9974,
169.9570, 213.8060

24.2139, 30.9109,
43.2329

180.0726,
209.5135, 261.0723

15.6180, 20.5310,
29.7352

220.3919,
254.7756, 314.8368

9.3434, 12.7816,
19.3873

266.3208,
306.1278, 375.5181

5.0247, 7.2784,
11.7708

318.2245,

2.2967, 3.6368,

363.9544, 443.5347

6.4672

376.4685,
428.6399, 519.3052

■ 0.7930, 1.4725,
3.0578

■ 0.0000, 0.2693,
1.1242

■ 67.5833, 81.6776,
106.8111

■ 67.5833, 81.6776,
106.8111

■ 61.7819, 77.4791,
106.3065

■ 74.4700, 86.4574,
107.3707

■ 56.9973, 73.8204,
105.8524

■ 82.4928, 91.8385,
107.9865

■ 53.1632, 70.6692,
105.4463

■ 91.7067, 97.8516,
108.6615

■ 50.2025, 67.9858,
105.0844

95.0500, 100.0000,
108.9000

■ 48.0262, 65.7241,
104.7625

■ 46.5258, 63.8283,
104.4757

■ 45.7968, 62.7137,
104.2989

Harmonies

Analogous

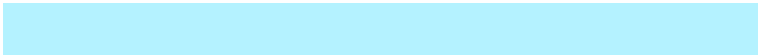
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2035, 81.6776, 88.4224



67.5833, 81.6776, 106.8111



71.6195, 81.6776, 121.9471

Triad

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



67.5833, 81.6776, 106.8111



88.4357, 81.6776, 107.8154



77.8109, 81.6776, 58.7152

Complementary

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



67.5833, 81.6776, 106.8111



64.6159, 56.4022, 45.5130

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.



83.9721, 81.6776, 62.4900



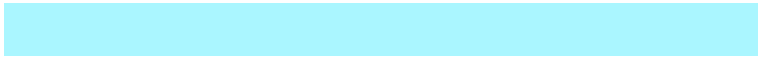
67.5833, 81.6776, 106.8111



90.3056, 81.6776, 89.4456

Square

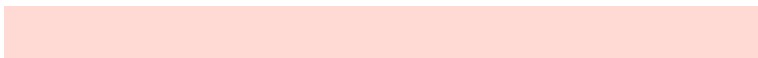
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5833, 81.6776, 106.8111



83.6465, 81.6776, 122.5796



88.6307, 81.6776, 73.1702



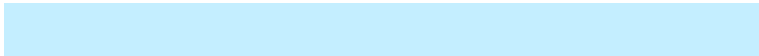
71.9131, 81.6776, 62.0865

Rectangle

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



67.5833, 81.6776, 106.8111



75.3874, 81.6776, 127.2846



88.6307, 81.6776, 73.1702



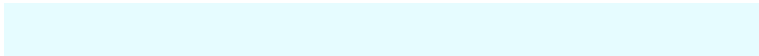
79.9209, 81.6776, 59.1809

Sweetspot

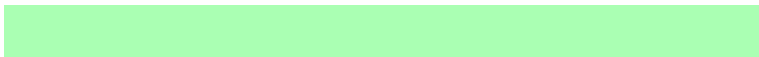
The Sweet Spot groups the original color and five complimentary colors.



67.5855, 81.6807, 106.8116



85.4280, 93.7706, 108.2047



60.4248, 83.3010, 55.2788



18.0166, 19.8945, 23.1404



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.



67.5855, 81.6807, 106.8116



63.5993, 78.8171, 106.4689



56.2217, 58.9532, 103.0236



18.3810, 20.1335, 23.1673



23.9962, 32.9020, 54.5206



2.3816, 3.2939, 5.3235

Inverse Universe

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



72.2506, 56.6649, 94.3218



68.9915, 50.5866, 91.8792



74.3529, 75.8761, 48.7587



18.7049, 18.2653, 22.3294



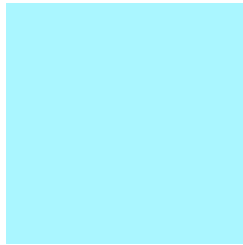
28.9004, 14.0494, 39.7214



2.8367, 1.3771, 3.9876

Previews

White Background



This preview shows how the XYZ color 67.5833, 81.6776, 106.8111 looks on a white background.

Color Contrast Check

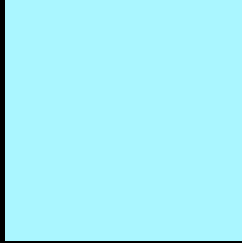
Large Text (above 18pt) WCAG AA × Fail

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 67.5833, 81.6776, 106.8111 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 67.5833, 81.6776, 106.8111

Background



This preview shows how black text looks on a background with the XYZ color 67.5833, 81.6776, 106.8111.

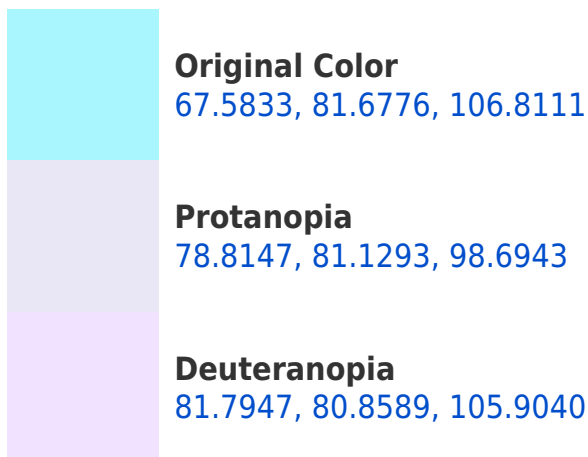


This preview shows how white text looks on a background with the XYZ color 67.5833, 81.6776,

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

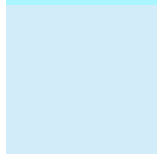
71.4976, 81.4681, 106.5643

Trichromacy



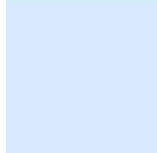
Original Color

67.5833, 81.6776, 106.8111



Protanomaly

73.6727, 80.5321, 101.2838



Deuteranomaly

75.4972, 80.5127, 106.1691



Tritanomaly

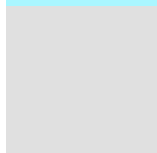
70.1082, 81.6355, 106.6699

Monochromacy



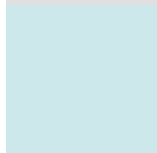
Original Color

67.5833, 81.6776, 106.8111



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.7538, 76.5488, 89.7489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5833, 81.6776, 106.8111 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 246, 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(170, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5833, 81.6776, 106.8111 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, 246, 255) }
```


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

```
.border{ border-color:rgb(170, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5833, 81.6776, 106.8111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 246, 255) }
```

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

```
.background{ background-color: rgb(170,  
246, 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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