

Converting Colors

XYZ(69.7614, 82.3371,
106.8236)

Have a look what the booklet for
XYZ(69.7614, 82.3371, 106.8236)
contains.

XYZ(69.7585, 82.3486, 106.8259)	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(69.7585, 82.3486,
106.8259)**

Conversions

Conversions Part 1

Format	Color
Hex	B5F5FF
RGB	181, 245, 255
RGB Percent	71%, 96%, 100%
CMY	0.2902, 0.0392, 0.0000
CMYK	0.29, 0.04, 0.00, 0.00
HSL	188°, 100%, 85%
HSV	188°, 29%, 100%
XYZ	69.7585, 82.3486, 106.8259
YIQ	227.0040, -41.3540, -10.4580

Conversions

Conversions Part 2

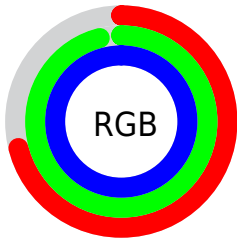
Format	Color
R_{YB}	181, 215, 255
Decimal	11924991
CIE _{Lab}	92.73, -17.64, -11.27
CIE _{LCh}	93, 20.936, 212.567
Yxy	82.3486, 0.2694, 0.3180
Android (android.graphics.Color)	4290115071 (0xFFB5F5FF)
YUV	227.0040, 13.8020, -40.3455
Hunter-Lab	90.7461, -21.5889, -6.2736

Details

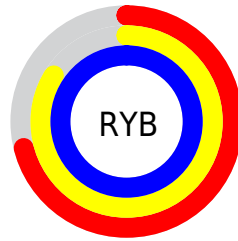
The XYZ color **69.7585, 82.3486, 106.8259** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.2114, 61.8575, 52.0625**, and the grayscale version is **72.9428, 76.7415, 83.5715**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **36.9948, 44.9080, 60.1444** is the 20% darker color. If you saturate the color by 10%, you get **63.2858, 77.4812, 106.2276**, and if you desaturate by 10%, it is **77.3493, 87.8253, 107.4830**.

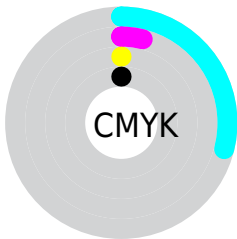
Distribution



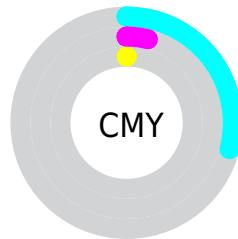
- Red (71%)
- Green (96%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7585, 82.3486, 106.8259 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 69.7585, 82.3486, 106.8259 by changing the saturation by 10% instead.

69.7585, 82.3486,
106.8259

69.7585, 82.3486,
106.8259

448.9813,
502.8130, 603.2950

51.6086, 61.6529,
81.3647

117.8924,
136.6628, 172.6397

36.9162, 44.7523,
60.3092

148.6072,
171.0500, 213.8295

25.3160, 31.2624,
43.2410

184.2408,
210.7699, 261.0991

16.4426, 20.7987,
29.7415

225.1589,
256.2069, 314.8672

9.9307, 12.9770,
19.3921

271.7265,
307.7453, 375.5523

5.4150, 7.4127,
11.7742

324.3093,

2.5300, 3.7215,

365.7695, 443.5730

6.4695

383.2724,
430.6639, 519.3477

■ 0.9104, 1.5190,
3.0592

■ 0.0000, 0.3021,
1.1250

■ 69.7585, 82.3486,
106.8259

■ 69.7585, 82.3486,
106.8259

■ 63.2858, 77.4812,
106.2276

■ 77.3493, 87.8253,
107.4830

■ 57.8647, 73.1825,
105.6836

■ 86.1069, 93.9304,
108.1998

■ 53.4318, 69.4217,
105.1913

95.0500, 100.0000,
108.9000

■ 49.9141, 66.1611,
104.7474

■ 47.2283, 63.3575,
104.3478

■ 45.2754, 60.9598,
103.9879

■ 43.9095, 58.8925,
103.6609

■ 43.7891, 58.6981,
103.6297

Harmonies

Analogous

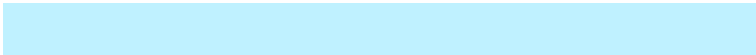
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2517, 82.3486, 91.0160



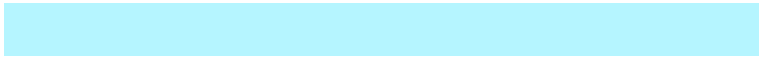
69.7585, 82.3486, 106.8259



73.5361, 82.3486, 119.0566

Triad

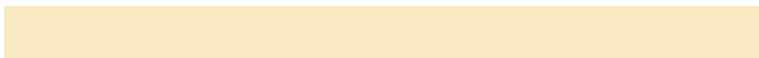
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7585, 82.3486, 106.8259



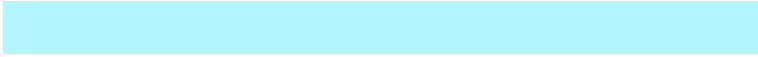
87.9537, 82.3486, 104.2278



77.8009, 82.3486, 62.8767

Complementary

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



69.7585, 82.3486, 106.8259



68.2114, 61.8575, 52.0625

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.



83.2025, 82.3486, 65.5564



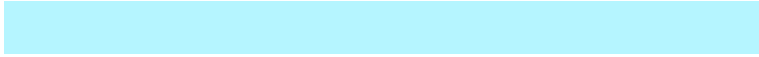
69.7585, 82.3486, 106.8259



89.2233, 82.3486, 88.3247

Square

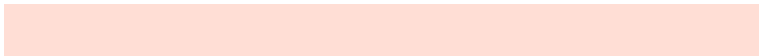
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7585, 82.3486, 106.8259



84.0531, 82.3486, 117.4383



87.4469, 82.3486, 74.4456



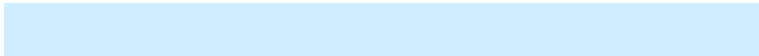
72.7582, 82.3486, 66.6546

Rectangle

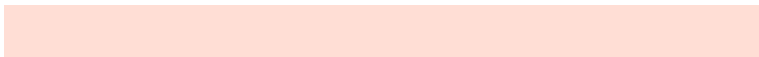
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



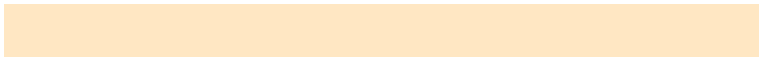
69.7585, 82.3486, 106.8259



76.9208, 82.3486, 122.8725



87.4469, 82.3486, 74.4456



79.6346, 82.3486, 63.0523

Sweetspot

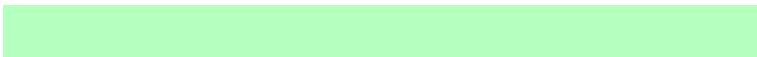
The Sweet Spot groups the original color and five complimentary colors.



69.7607, 82.3518, 106.8264



86.1239, 93.9421, 108.2012



64.2065, 85.1000, 62.2570



18.1453, 19.9087, 23.1364



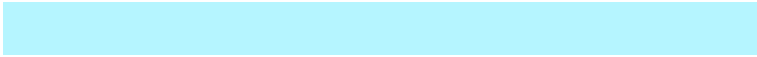
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



69.7607, 82.3518, 106.8264



65.7574, 79.3678, 106.4615



59.6958, 62.2221, 103.4715



18.3333, 20.0382, 23.1514



22.9618, 30.8332, 54.1758



2.2911, 3.1129, 5.2934

Inverse Universe

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



74.2467, 60.9021, 94.2319



71.0000, 54.9093, 91.6063



77.2880, 80.0105, 55.0881



18.6809, 18.2557, 22.2027



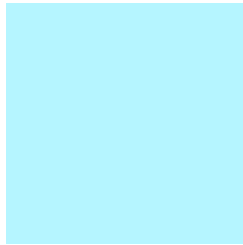
28.3783, 13.8406, 36.9720



2.7910, 1.3588, 3.7471

Previews

White Background



This preview shows how the XYZ color 69.7585, 82.3486, 106.8259 looks on a white background.

Color Contrast Check

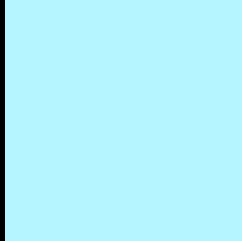
Large Text (above 18pt) WCAG AA × Fail

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 69.7585, 82.3486, 106.8259 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 69.7585, 82.3486, 106.8259

Background



This preview shows how black text looks on a background with the XYZ color 69.7585, 82.3486, 106.8259.

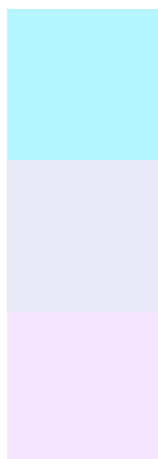


This preview shows how white text looks on a background with the XYZ color 69.7585, 82.3486,

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

69.7585, 82.3486, 106.8259

Protanopia

79.2494, 81.7523, 99.5986

Deuteranopia

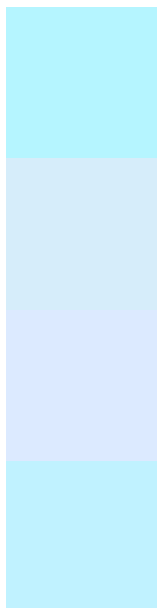
82.7556, 81.7615, 106.0276



Tritanopia

73.0585, 82.2727, 106.6374

Trichromacy



Original Color

69.7585, 82.3486, 106.8259

Protanomaly

75.2711, 81.7666, 102.2578

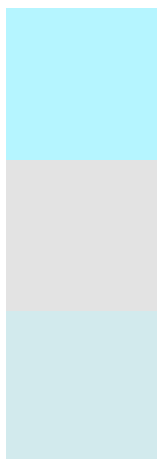
Deuteranomaly

76.9880, 81.2813, 106.2389

Tritanomaly

71.5404, 81.9307, 106.6514

Monochromacy



Original Color

69.7585, 82.3486, 106.8259

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2872, 78.6617, 91.5468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7585, 82.3486, 106.8259 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(181, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.7585, 82.3486, 106.8259 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(181, 245, 255) }
```


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

```
.border{ border-color:rgb(181, 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(181, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7585, 82.3486, 106.8259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 245, 255) }
```

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

```
.background{ background-color: rgb(181,  
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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