

Converting Colors

XYZ(71.5538, 83.1844,
106.8926)

Have a look what the booklet for
XYZ(71.5538, 83.1844, 106.8926)
contains.

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Color

**XYZ(71.6887, 83.3436,
106.9163)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF5FF
RGB	189, 245, 255
RGB Percent	74%, 96%, 100%
CMY	0.2588, 0.0392, 0.0000
CMYK	0.26, 0.04, 0.00, 0.00
HSL	189°, 100%, 87%
HSV	189°, 26%, 100%
XYZ	71.6887, 83.3436, 106.9163
YIQ	229.3960, -36.5860, -8.7620

Conversions

Conversions Part 2

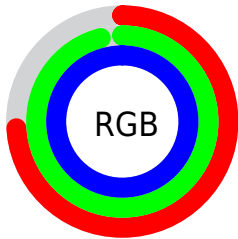
Format	Color
R _Y B	189, 219, 255
Decimal	12449279
CIE Lab	93.16, -15.40, -10.57
CIE LCh	93, 18.682, 214.470
Yxy	83.3436, 0.2737, 0.3182
Android (android.graphics.Color)	4290639359 (0xFFBDF5FF)
YUV	229.3960, 12.6228, -35.4273
Hunter-Lab	91.2927, -19.5930, -5.5318

Details

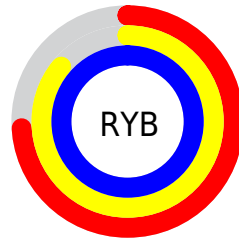
The XYZ color **71.6887, 83.3436, 106.9163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.8488, 65.7805, 57.1088**, and the grayscale version is **74.6989, 78.5890, 85.5834**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **38.2222, 45.5407, 60.2018** is the 20% darker color. If you saturate the color by 10%, you get **64.7551, 78.0548, 106.2609**, and if you desaturate by 10%, it is **79.7632, 89.2610, 107.6329**.

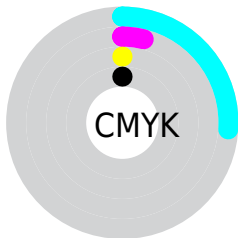
Distribution



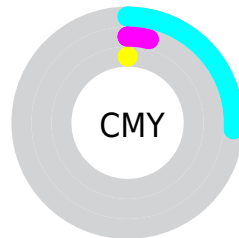
- Red (74%)
- Green (96%)
- Blue (100%)



- Red (74%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6887, 83.3436, 106.9163 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 71.6887, 83.3436, 106.9163 by changing the saturation by 10% instead.

71.6887, 83.3436,
106.9163

71.6887, 83.3436,
106.9163

455.6318,
506.1309, 603.5817

53.1890, 62.4736,
81.4401

120.6270,
138.0566, 172.7642

38.1817, 45.4155,
60.3710

151.7964,
172.6684, 213.9730

26.3016, 31.7848,
43.2905

187.9196,
212.6297, 261.2631

17.1833, 21.1972,
29.7800

229.3621,
258.3247, 315.0530

10.4614, 13.2682,
19.4210

276.4892,
310.1380, 375.7613

5.7705, 7.6135,
11.7950

329.6663,

2.7454, 3.8487,

368.4538, 443.8065

6.4834

389.2587,
433.6567, 519.6071

■ 1.0206, 1.5893,
3.0677

■ 0.0000, 0.3503,
1.1293

■ 71.6887, 83.3436,
106.9163

■ 71.6887, 83.3436,
106.9163

■ 64.7551, 78.0548,
106.2609

■ 79.7632, 89.2610,
107.6329

■ 58.8973, 73.3545,
105.6624

■ 89.0260, 95.8252,
108.4117

■ 54.0538, 69.2129,
105.1182

95.0500, 100.0000,
108.9000

■ 50.1543, 65.5934,
104.6251

■ 47.1189, 62.4548,
104.1793

■ 44.8544, 59.7486,
103.7763

■ 43.2452, 57.4152,
103.4107

■ 42.7032, 56.5264,
103.2677

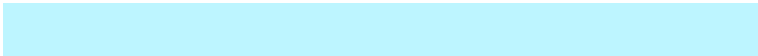
Harmonies

Analogous

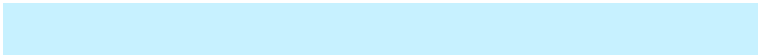
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1763, 83.3436, 92.8695



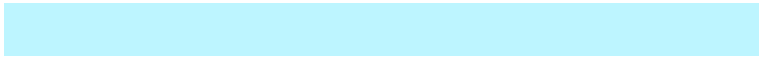
71.6887, 83.3436, 106.9163



75.2183, 83.3436, 117.3801

Triad

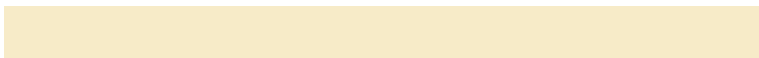
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6887, 83.3436, 106.9163



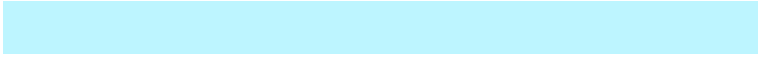
88.0384, 83.3436, 102.8984



78.4825, 83.3436, 66.3849

Complementary

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



71.6887, 83.3436, 106.9163



70.8488, 65.7805, 57.1088

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.



83.3520, 83.3436, 68.4819



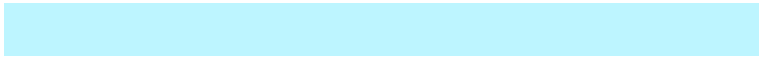
71.6887, 83.3436, 106.9163



88.9995, 83.3436, 88.6571

Square

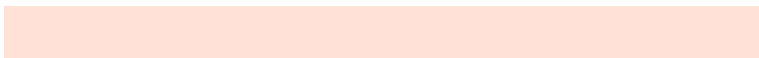
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6887, 83.3436, 106.9163



84.6767, 83.3436, 114.8974



87.2517, 83.3436, 76.2961



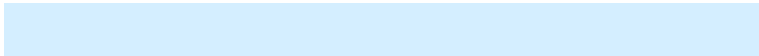
73.9945, 83.3436, 70.2426

Rectangle

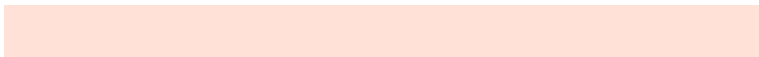
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



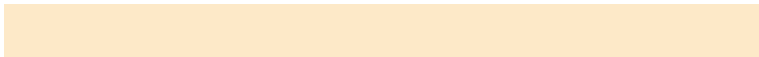
71.6887, 83.3436, 106.9163



78.3098, 83.3436, 120.3883



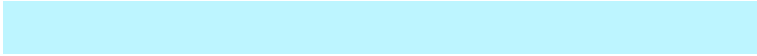
87.2517, 83.3436, 76.2961



80.1283, 83.3436, 66.4203

Sweetspot

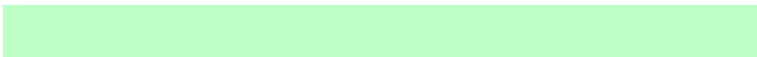
The Sweet Spot groups the original color and five complimentary colors.



71.6909, 83.3469, 106.9168



86.9613, 94.3787, 108.2413



67.0446, 86.4583, 67.1282



18.3067, 19.9850, 23.1426



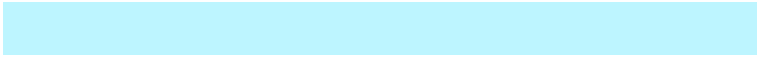
0.0000, 0.0000, 0.0000



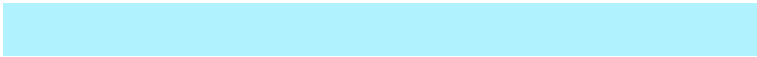
20.3446, 21.4041, 23.3091

Same Dimension

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



71.6909, 83.3469, 106.9168



68.0021, 80.5620, 106.5737



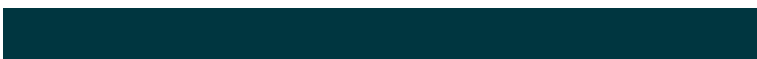
62.6061, 65.1773, 103.8885



18.3067, 19.9850, 23.1426



22.4020, 29.7137, 53.9892



2.2419, 3.0145, 5.2770

Inverse Universe

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



75.9205, 64.2495, 94.7898



72.9374, 58.7638, 92.3142



79.2545, 82.5919, 59.9107



18.6675, 18.2503, 22.1319



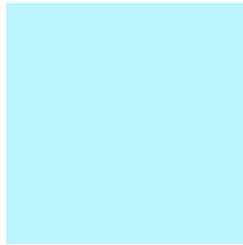
28.0957, 13.7276, 35.4841



2.7662, 1.3489, 3.6163

Previews

White Background



This preview shows how the XYZ color 71.6887, 83.3436, 106.9163 looks on a white background.

Color Contrast Check

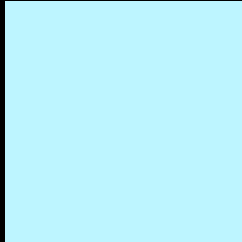
Large Text (above 18pt) WCAG AA × Fail

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 71.6887, 83.3436, 106.9163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

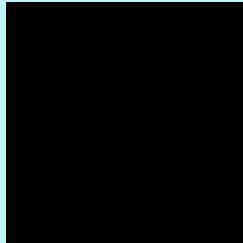
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6887, 83.3436, 106.9163

Background



This preview shows how black text looks on a background with the XYZ color 71.6887, 83.3436, 106.9163.

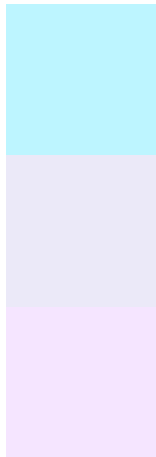


This preview shows how white text looks on a background with the XYZ color 71.6887, 83.3436,

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

71.6887, 83.3436, 106.9163

Protanopia

80.3431, 82.7173, 100.5384

Deuteranopia

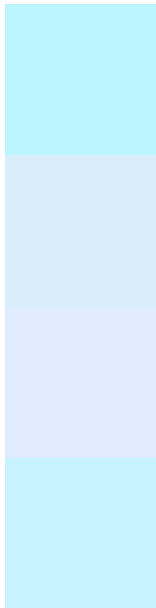
83.7255, 82.6711, 106.1521



Tritanopia

74.6821, 83.1097, 106.7134

Trichromacy



Original Color

71.6887, 83.3436, 106.9163

Protanomaly

76.6102, 82.4388, 103.1413

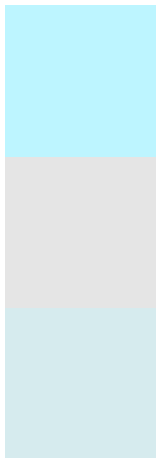
Deuteranomaly

78.8097, 82.6442, 106.4060

Tritanomaly

73.3553, 82.8664, 106.7363

Monochromacy



Original Color

71.6887, 83.3436, 106.9163

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.8725, 79.8858, 92.4676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6887, 83.3436, 106.9163 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(189, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.6887, 83.3436, 106.9163 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(189, 245, 255) }
```


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

```
.border{ border-color:rgb(189, 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(189, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6887, 83.3436, 106.9163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 245, 255) }
```

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

```
.background{ background-color: rgb(189,  
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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