

Converting Colors

XYZ(87.8672, 90.3219,
193.2122)

Have a look what the booklet for
XYZ(87.8672, 90.3219, 193.2122)
contains.

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Color

**XYZ(71.4993, 83.6963,
106.9943)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF6FF
RGB	187, 246, 255
RGB Percent	73%, 96%, 100%
CMY	0.2667, 0.0353, 0.0000
CMYK	0.27, 0.04, 0.00, 0.00
HSL	188°, 100%, 87%
HSV	188°, 27%, 100%
XYZ	71.4993, 83.6963, 106.9943
YIQ	229.3850, -38.0530, -9.7090

Conversions

Conversions Part 2

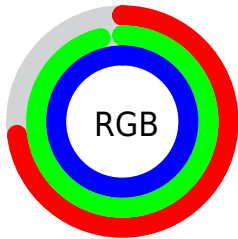
Format	Color
RYB	187, 219, 255
Decimal	12318463
CIELab	93.32, -16.47, -10.36
CIElCh	93, 19.452, 212.169
Yxy	83.6963, 0.2727, 0.3192
Android (android.graphics.Color)	4290508543 (0xFFBBF6FF)
YUV	229.3850, 12.6282, -37.1716
Hunter-Lab	91.4857, -20.5959, -5.3008

Details

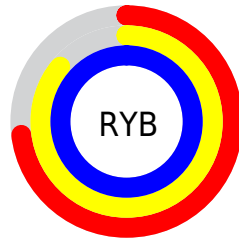
The XYZ color **71.4993, 83.6963, 106.9943** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9497, 64.3273, 55.7453**, and the grayscale version is **74.6915, 78.5813, 85.5750**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **38.1222, 45.8097, 60.2590** is the 20% darker color. If you saturate the color by 10%, you get **64.7899, 78.7301, 106.3894**, and if you desaturate by 10%, it is **79.3394, 89.2773, 107.6584**.

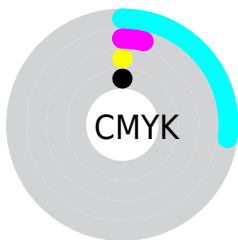
Distribution



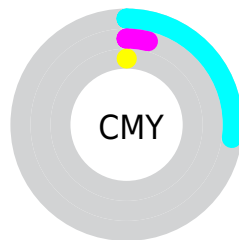
- Red (73%)
- Green (96%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4993, 83.6963, 106.9943 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 71.4993, 83.6963, 106.9943 by changing the saturation by 10% instead.

71.4993, 83.6963,
106.9943

71.4993, 83.6963,
106.9943

454.9817,
507.3042, 603.8290

53.0338, 62.7647,
81.5051

120.3591,
138.5503, 172.8716

38.0573, 45.6509,
60.4243

151.4840,
173.2414, 214.0969

26.2046, 31.9704,
43.3332

187.5594,
213.2880, 261.4046

17.1102, 21.3389,
29.8133

228.9507,
259.0742, 315.2133

10.4089, 13.3720,
19.4461

276.0233,
310.9845, 375.9416

5.7352, 7.6852,
11.8130

329.1423,

2.7239, 3.8942,

369.4034, 444.0079

6.4955

388.6734,
434.7151, 519.8309

■ 1.0095, 1.6145,
3.0750

■ 0.0000, 0.3674,
1.1331

■ 71.4993, 83.6963,
106.9943

■ 71.4993, 83.6963,
106.9943

■ 64.7899, 78.7301,
106.3894

■ 79.3394, 89.2773,
107.6584

■ 59.1459, 74.3386,
105.8392

■ 88.3579, 95.4915,
108.3825

■ 54.5054, 70.4917,
105.3413

95.0500, 100.0000,
108.9000

■ 50.7973, 67.1527,
104.8922

■ 47.9410, 64.2800,
104.4883

■ 45.8420, 61.8246,
104.1250

■ 44.3816, 59.7251,
103.7967

■ 43.9766, 59.0733,
103.6922

Harmonies

Analogous

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



70.1064, 83.6963, 92.2033



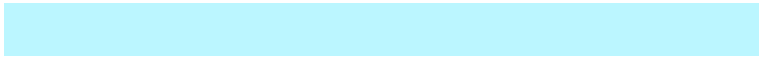
71.4993, 83.6963, 106.9943



75.0394, 83.6963, 118.4295

Triad

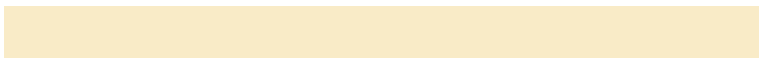
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4993, 83.6963, 106.9943



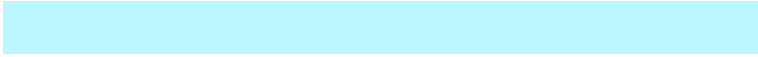
88.5853, 83.6963, 104.9486



79.1785, 83.6963, 65.7436

Complementary

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



71.4993, 83.6963, 106.9943



69.9497, 64.3273, 55.7453

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.



84.2396, 83.6963, 68.3871



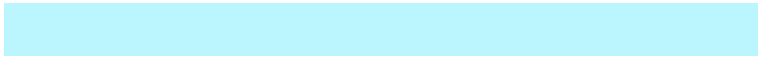
71.4993, 83.6963, 106.9943



89.8075, 83.6963, 90.0671

Square

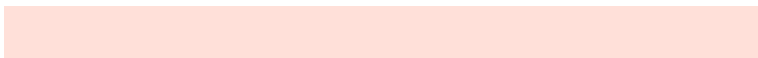
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4993, 83.6963, 106.9943



84.9124, 83.6963, 117.1622



88.1852, 83.6963, 76.9187



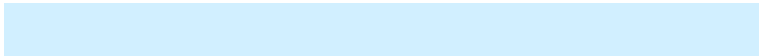
74.4198, 83.6963, 69.2730

Rectangle

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



71.4993, 83.6963, 106.9943



78.2161, 83.6963, 122.0388



88.1852, 83.6963, 76.9187



80.9007, 83.6963, 65.9391

Sweetspot

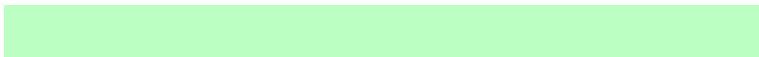
The Sweet Spot groups the original color and five complimentary colors.



71.5015, 83.6996, 106.9948



87.0841, 94.6243, 108.2822



66.0975, 86.0225, 64.7123



18.3378, 20.0473, 23.1530



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.



71.5015, 83.6996, 106.9948



67.7846, 80.9747, 106.6648



62.3559, 65.4083, 103.9463



18.3378, 20.0473, 23.1530



23.0585, 31.0266, 54.2080



2.2996, 3.1299, 5.2962

Inverse Universe

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



75.6463, 63.4562, 95.4538



72.6207, 57.8449, 93.0889



78.2112, 80.8505, 58.4991



18.6832, 18.2566, 22.2147



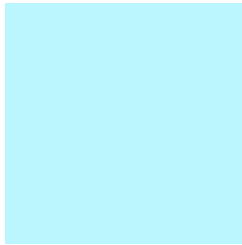
28.4271, 13.8601, 37.2290



2.7953, 1.3605, 3.7696

Previews

White Background



This preview shows how the XYZ color 71.4993, 83.6963, 106.9943 looks on a white background.

Color Contrast Check

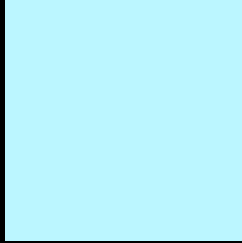
Large Text (above 18pt) WCAG AA × Fail

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 71.4993, 83.6963, 106.9943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

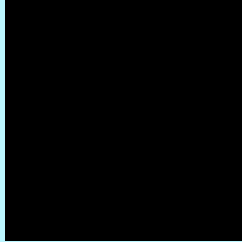
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.4993, 83.6963, 106.9943

Background



This preview shows how black text looks on a background with the XYZ color 71.4993, 83.6963, 106.9943.

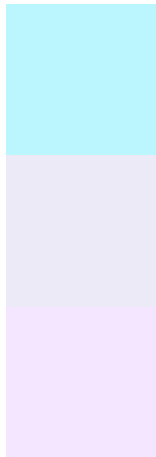


This preview shows how white text looks on a background with the XYZ color 71.4993, 83.6963,

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

71.4993, 83.6963, 106.9943

Protanopia

80.8034, 83.3939, 99.8335

Deuteranopia

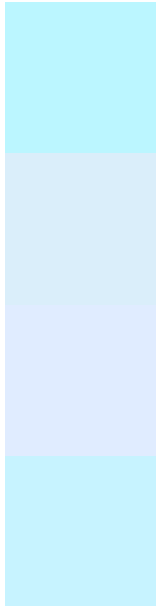
84.0030, 83.2261, 106.2446



Tritanopia

74.9589, 83.2524, 106.7263

Trichromacy



Original Color

71.4993, 83.6963, 106.9943

Protanomaly

76.7433, 82.9566, 102.4099

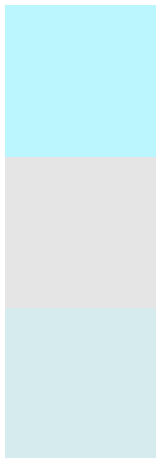
Deuteranomaly

78.7859, 83.0582, 106.4871

Tritanomaly

73.6538, 83.4633, 106.8358

Monochromacy



Original Color

71.4993, 83.6963, 106.9943

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 71.4993, 83.6963, 106.9943 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(187, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.4993, 83.6963, 106.9943 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(187, 246, 255) }
```


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

```
.border{ border-color:rgb(187, 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(187, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 246, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 246, 255); box-shadow:4px 4px 4px 4px rgb(187, 246, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4993, 83.6963, 106.9943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 246, 255) }
```

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

```
.background{ background-color: rgb(187,  
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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