

Converting Colors

XYZ(70.4436, 81.8928,
106.7019)

Have a look what the booklet for
XYZ(70.4436, 81.8928, 106.7019)
contains.

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Color

**XYZ(70.3503, 81.7603,
106.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF3FF
RGB	186, 243, 255
RGB Percent	73%, 95%, 100%
CMY	0.2706, 0.0470, 0.0000
CMYK	0.27, 0.05, 0.00, 0.00
HSL	190°, 100%, 86%
HSV	190°, 27%, 100%
XYZ	70.3503, 81.7603, 106.6812
YIQ	227.3250, -37.8240, -8.3520

Conversions

Conversions Part 2

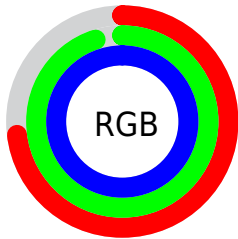
Format	Color
R _Y B	186, 217, 255
Decimal	12252159
CIE Lab	92.47, -15.25, -11.63
CIE LCh	92, 19.180, 217.317
Yxy	81.7603, 0.2718, 0.3159
Android (android.graphics.Color)	4290442239 (0xFFBAF3FF)
YUV	227.3250, 13.6438, -36.2420
Hunter-Lab	90.4214, -19.3596, -6.6567

Details

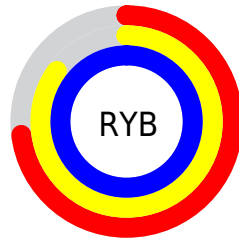
The XYZ color **70.3503, 81.7603, 106.6812** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.2970, 65.1928, 55.3346**, and the grayscale version is **73.1755, 76.9864, 83.8381**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.3234, 44.4432, 60.0373** is the 20% darker color. If you saturate the color by 10%, you get **63.3892, 76.2279, 105.9802**, and if you desaturate by 10%, it is **78.4532, 87.9330, 107.4456**.

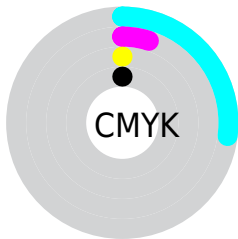
Distribution



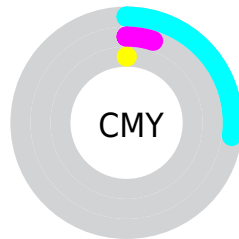
- Red (73%)
- Green (95%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3503, 81.7603, 106.6812 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 70.3503, 81.7603, 106.6812 by changing the saturation by 10% instead.

70.3503, 81.7603,
106.6812

70.3503, 81.7603,
106.6812

451.0263,
500.8456, 602.8361

52.0928, 61.1680,
81.2440

118.7317,
135.8378, 172.4405

37.3036, 44.3607,
60.2104

149.5863,
170.0918, 213.5996

25.6174, 30.9542,
43.1619

185.3707,
209.6684, 260.8365

16.6688, 20.5640,
29.6798

226.4502,
254.9521, 314.5697

10.0925, 12.8057,
19.3457

273.1901,
306.3273, 375.2177

5.5231, 7.2949,
11.7410

325.9559,

2.5952, 3.6472,

364.1783, 443.1991

6.4472

385.1128,
428.8896, 518.9323

0.9435, 1.4782,
3.0457

0.0000, 0.2733,
1.1180

70.3503, 81.7603,
106.6812

70.3503, 81.7603,
106.6812

63.3892, 76.2279,
105.9802

78.4532, 87.9330,
107.4456

57.5044, 71.2955,
105.3383

87.7461, 94.7650,
108.2745

52.6335, 66.9327,
104.7530

95.0500, 100.0000,
108.9000

48.7051, 63.1024,
104.2207

■ 45.6381, 59.7623,
103.7376

■ 43.3371, 56.8629,
103.2993

■ 41.6803, 54.3413,
102.8999

■ 41.2617, 53.6434,
102.7872

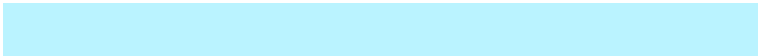
Harmonies

Analogous

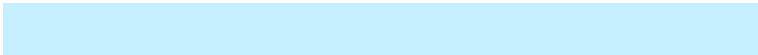
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6057, 81.7603, 92.5574



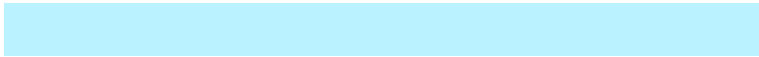
70.3503, 81.7603, 106.6812



74.0808, 81.7603, 116.7609

Triad

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



70.3503, 81.7603, 106.6812



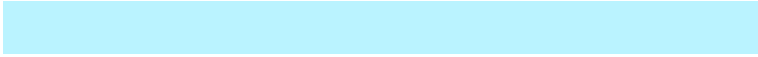
86.8729, 81.7603, 100.0084



76.4990, 81.7603, 64.5263

Complementary

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



70.3503, 81.7603, 106.6812



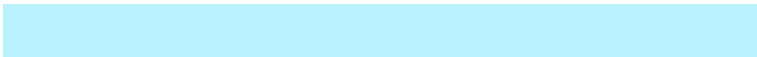
70.2970, 65.1928, 55.3346

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.



81.4573, 81.7603, 66.0678



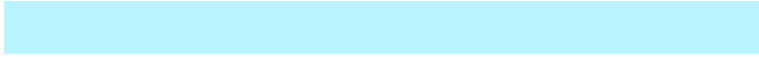
70.3503, 81.7603, 106.6812



87.5877, 81.7603, 85.5799

Square

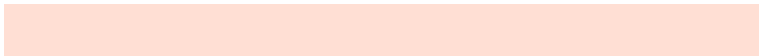
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



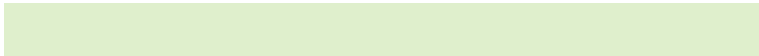
70.3503, 81.7603, 106.6812



83.6539, 81.7603, 112.6306



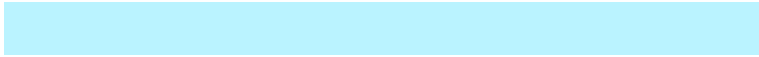
85.5674, 81.7603, 73.4296



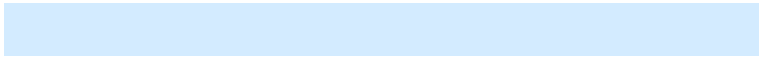
72.0559, 81.7603, 68.9688

Rectangle

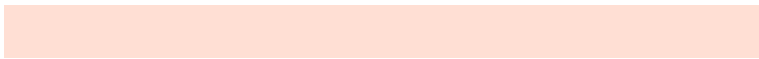
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3503, 81.7603, 106.6812



77.2640, 81.7603, 119.2811



85.5674, 81.7603, 73.4296



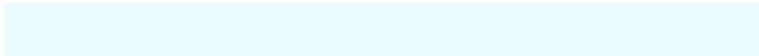
78.1592, 81.7603, 64.3706

Sweetspot

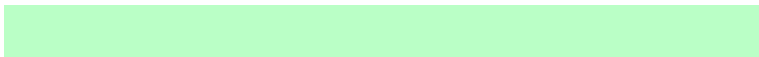
The Sweet Spot groups the original color and five complimentary colors.



70.3525, 81.7635, 106.6817



86.8180, 94.0921, 108.1935



66.1463, 86.0138, 66.2419



18.2704, 19.9124, 23.1305



0.0000, 0.0000, 0.0000



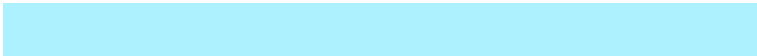
20.3446, 21.4041, 23.3091

Same Dimension

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



70.3525, 81.7635, 106.6817



66.7723, 78.9502, 106.3274



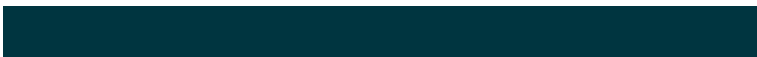
61.1015, 63.2615, 103.5980



18.2704, 19.9124, 23.1305



21.6585, 28.2265, 53.7413



2.1763, 2.8833, 5.2551

Inverse Universe

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



74.9780, 62.8505, 92.9773



72.1097, 57.6405, 90.3983



78.9602, 82.5191, 58.2223



18.6491, 18.2430, 22.0354



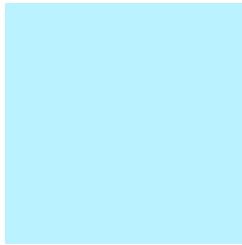
27.7204, 13.5774, 33.5076



2.7331, 1.3356, 3.4419

Previews

White Background



This preview shows how the XYZ color 70.3503, 81.7603, 106.6812 looks on a white background.

Color Contrast Check

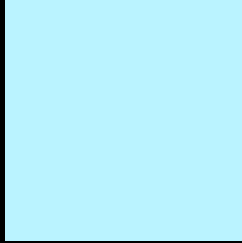
Large Text (above 18pt) WCAG AA × Fail

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 70.3503, 81.7603, 106.6812 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 70.3503, 81.7603, 106.6812

Background



This preview shows how black text looks on a background with the XYZ color 70.3503, 81.7603, 106.6812.

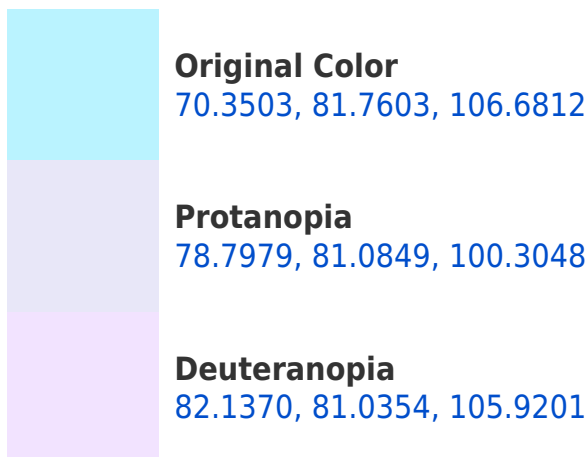


This preview shows how white text looks on a background with the XYZ color 70.3503, 81.7603,

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

72.7633, 81.6823, 106.5390

Trichromacy



Original Color

70.3503, 81.7603, 106.6812

Protanomaly

75.1452, 80.8288, 102.9077

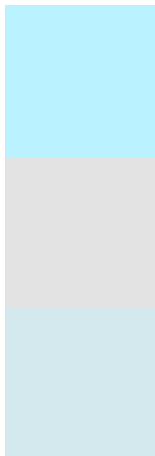
Deuteranomaly

77.3131, 81.0274, 106.1728

Tritanomaly

71.7534, 81.5999, 106.5763

Monochromacy



Original Color

70.3503, 81.7603, 106.6812

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.5764, 78.3893, 91.4789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3503, 81.7603, 106.6812 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(186, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 243, 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(186, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.3503, 81.7603, 106.6812 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(186, 243, 255) }
```


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

```
.border{ border-color:rgb(186, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3503, 81.7603, 106.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 243, 255) }
```

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

```
.background{ background-color: rgb(186,  
243, 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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