

Converting Colors

XYZ(70.3219, 80.6656,
106.4714)

Have a look what the booklet for
XYZ(70.3219, 80.6656, 106.4714)
contains.

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Color

**XYZ(70.4916, 80.9494,
106.5172)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF1FF
RGB	189, 241, 255
RGB Percent	74%, 95%, 100%
CMY	0.2588, 0.0549, 0.0000
CMYK	0.26, 0.05, 0.00, 0.00
HSL	193°, 100%, 87%
HSV	193°, 26%, 100%
XYZ	70.4916, 80.9494, 106.5172
YIQ	227.0480, -35.4860, -6.6700

Conversions

Conversions Part 2

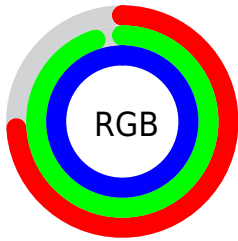
Format	Color
RYB	189, 218, 255
Decimal	12448255
CIELab	92.11, -13.40, -12.15
CIELCh	92, 18.085, 222.189
Yxy	80.9494, 0.2733, 0.3138
Android (android.graphics.Color)	4290638335 (0xFFBDF1FF)
YUV	227.0480, 13.7803, -33.3681
Hunter-Lab	89.9719, -17.5988, -7.2128

Details

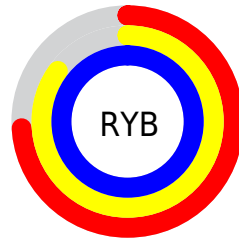
The XYZ color **70.4916, 80.9494, 106.5172** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7813, 67.6456, 57.4197**, and the grayscale version is **72.9719, 76.7721, 83.6048**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **37.3735, 43.8435, 59.9189** is the 20% darker color. If you saturate the color by 10%, you get **63.1371, 74.8189, 105.7216**, and if you desaturate by 10%, it is **79.0100, 87.7546, 107.3818**.

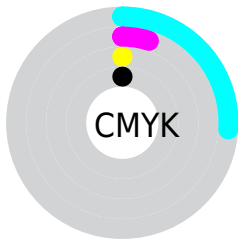
Distribution



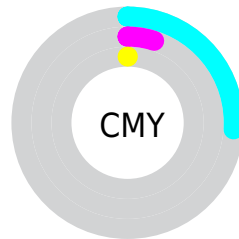
- Red (74%)
- Green (95%)
- Blue (100%)



- Red (74%)
- Yellow (85%)
- Blue (100%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4916, 80.9494, 106.5172 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 70.4916, 80.9494, 106.5172 by changing the saturation by 10% instead.

70.4916, 80.9494,
106.5172

70.4916, 80.9494,
106.5172

451.5138,
498.1266, 602.3156

52.2085, 60.4999,
81.1073

118.9320,
134.6997, 172.2146

37.3962, 43.8217,
60.0984

149.8200,
168.7694, 213.3391

25.6895, 30.5304,
43.0722

185.6402,
208.1478, 260.5388

16.7229, 20.2415,
29.6099

226.7582,
253.2195, 314.2324

10.1312, 12.5707,
19.2932

273.5391,
304.3689, 374.8384

5.5490, 7.1336,
11.7033

326.3485,

2.6109, 3.5458,

361.9802, 442.7752

6.4219

385.5516,
426.4380, 518.4614

■ 0.9515, 1.4229,
3.0304

■ 0.0000, 0.2335,
1.1102

■ 70.4916, 80.9494,
106.5172

■ 70.4916, 80.9494,
106.5172

■ 63.1371, 74.8189,
105.7216

■ 79.0100, 87.7546,
107.3818

■ 56.8813, 69.3227,
104.9904

■ 88.7402, 95.2535,
108.3164

■ 51.6626, 64.4304,
104.3211

95.0500, 100.0000,
108.9000

■ 47.4101, 60.1049,
103.7104

■ 44.0437, 56.3044,
103.1542

■ 41.4701, 52.9799,
102.6482

■ 39.5732, 50.0712,
102.1867

■ 38.9189, 48.9579,
102.0063

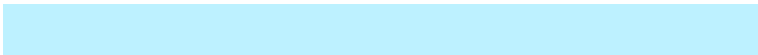
Harmonies

Analogous

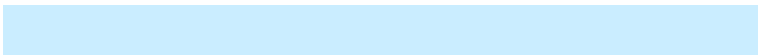
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5117, 80.9494, 93.6689



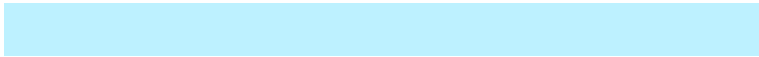
70.4916, 80.9494, 106.5172



74.2323, 80.9494, 114.8921

Triad

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



70.4916, 80.9494, 106.5172



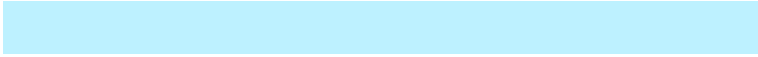
85.7879, 80.9494, 96.2227



75.0640, 80.9494, 65.3660

Complementary

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



70.4916, 80.9494, 106.5172



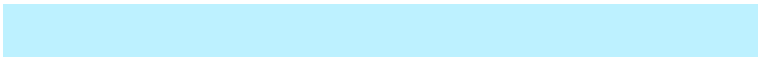
71.7813, 67.6456, 57.4197

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.



79.7127, 80.9494, 65.9009



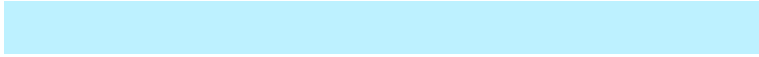
70.4916, 80.9494, 106.5172



86.0326, 80.9494, 82.8333

Square

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



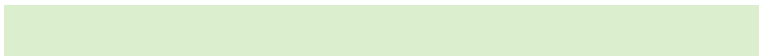
70.4916, 80.9494, 106.5172



83.1144, 80.9494, 108.5485



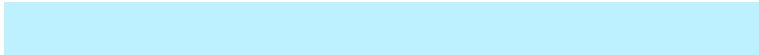
83.7701, 80.9494, 72.0085



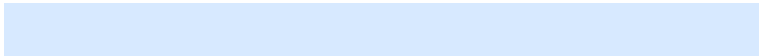
71.0792, 80.9494, 70.4649

Rectangle

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



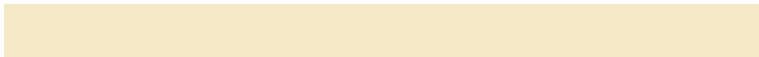
70.4916, 80.9494, 106.5172



77.2827, 80.9494, 116.3431



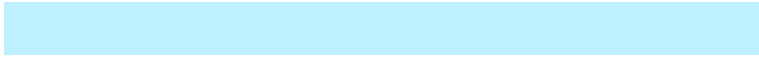
83.7701, 80.9494, 72.0085



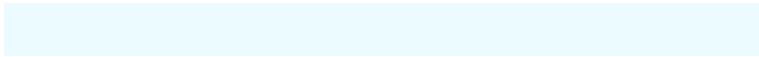
76.5983, 80.9494, 64.9085

Sweetspot

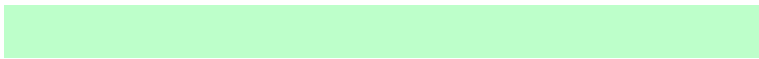
The Sweet Spot groups the original color and five complimentary colors.



70.4938, 80.9526, 106.5177



86.5744, 93.6050, 108.1123



67.4318, 86.6131, 69.1670



18.2087, 19.7890, 23.1099



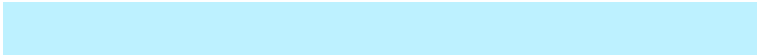
0.0000, 0.0000, 0.0000



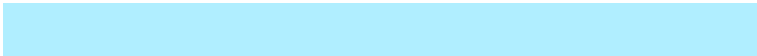
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4938, 80.9526, 106.5177



66.5866, 77.7311, 106.1019



61.7891, 63.5433, 103.6162



18.2087, 19.7890, 23.1099



20.4488, 25.8071, 53.3381



2.0688, 2.6683, 5.2193

Inverse Universe

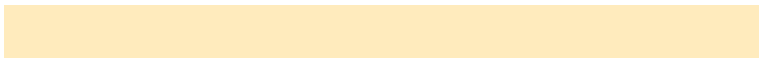
The Inverse Universe completely reimagines the original color for something new.



75.3162, 64.0078, 91.6078



72.2229, 58.4780, 88.5520



80.1916, 84.4661, 60.2231



18.6180, 18.2305, 21.8714



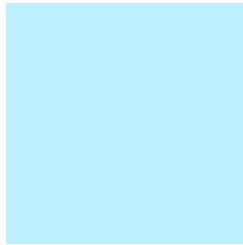
27.1098, 13.3332, 30.2923



2.6789, 1.3139, 3.1562

Previews

White Background



This preview shows how the XYZ color 70.4916, 80.9494, 106.5172 looks on a white background.

Color Contrast Check

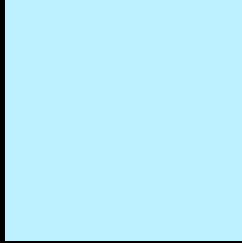
Large Text (above 18pt) WCAG AA × Fail

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 70.4916, 80.9494, 106.5172 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 70.4916, 80.9494, 106.5172

Background



This preview shows how black text looks on a background with the XYZ color 70.4916, 80.9494, 106.5172.

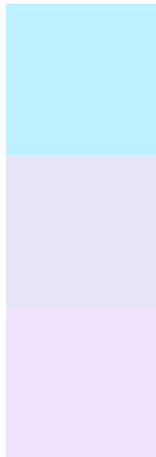


This preview shows how white text looks on a background with the XYZ color 70.4916, 80.9494,

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

70.4916, 80.9494, 106.5172

Protanopia

78.1951, 80.3599, 100.1966

Deuteranopia

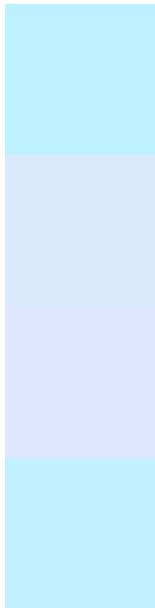
81.5220, 80.3135, 105.8131



Tritanopia

72.2052, 80.9588, 106.4287

Trichromacy



Original Color

70.4916, 80.9494, 106.5172

Protanomaly

75.1543, 80.4096, 102.8263

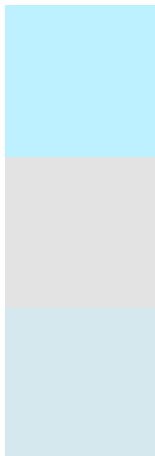
Deuteranomaly

76.7501, 79.9014, 105.9851

Tritanomaly

71.7158, 81.1423, 106.4899

Monochromacy



Original Color

70.4916, 80.9494, 106.5172

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.5832, 77.9738, 91.3984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4916, 80.9494, 106.5172 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 241, 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, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.4916, 80.9494, 106.5172 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, 241, 255) }
```


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

```
.border{ border-color:rgb(189, 241, 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, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4916, 80.9494, 106.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 241, 255) }
```

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

```
.background{ background-color: rgb(189,  
241, 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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