

Converting Colors

XYZ(70.2035, 80.4836,
106.4425)

Have a look what the booklet for
XYZ(70.2035, 80.4836, 106.4425)
contains.

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Color

**XYZ(70.1964, 80.3590,
106.4188)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF0FF
RGB	189, 240, 255
RGB Percent	74%, 94%, 100%
CMY	0.2588, 0.0588, 0.0000
CMYK	0.26, 0.06, 0.00, 0.00
HSL	194°, 100%, 87%
HSV	194°, 26%, 100%
XYZ	70.1964, 80.3590, 106.4188
YIQ	226.4610, -35.2110, -6.1470

Conversions

Conversions Part 2

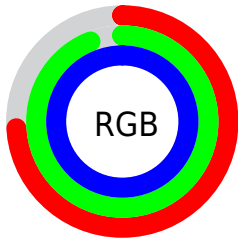
Format	Color
RYB	189, 218, 255
Decimal	12447999
CIELab	91.85, -12.90, -12.54
CIELCh	92, 17.988, 224.194
Yxy	80.3590, 0.2732, 0.3127
Android (android.graphics.Color)	4290638079 (0xFFBDF0FF)
YUV	226.4610, 14.0697, -32.8533
Hunter-Lab	89.6432, -17.0985, -7.6352

Details

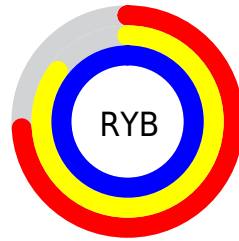
The XYZ color **70.1964, 80.3590, 106.4188** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0183, 68.1194, 57.4986**, and the grayscale version is **72.5438, 76.3217, 83.1144**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **37.1650, 43.4265, 59.8494** is the 20% darker color. If you saturate the color by 10%, you get **62.7404, 74.0254, 105.5893**, and if you desaturate by 10%, it is **78.8233, 87.3811, 107.3195**.

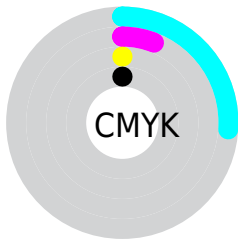
Distribution



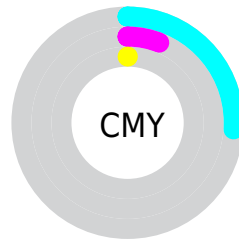
- Red (74%)
- Green (94%)
- Blue (100%)



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



- Cyan (26%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1964, 80.3590, 106.4188 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 70.1964, 80.3590, 106.4188 by changing the saturation by 10% instead.

70.1964, 80.3590,
106.4188

70.1964, 80.3590,
106.4188

450.4950,
496.1419, 602.0033

51.9668, 60.0138,
81.0252

118.5135,
133.8704, 172.0790

37.2028, 43.4298,
60.0312

149.3318,
167.8053, 213.1827

25.5389, 30.2225,
43.0184

185.0771,
207.0390, 260.3602

16.6099, 20.0075,
29.5680

226.1146,
251.9558, 314.0300

10.0503, 12.4005,
19.2617

272.8098,
302.9400, 374.6107

5.4949, 7.0171,
11.6808

325.5280,

2.5782, 3.4728,

360.3762, 442.5207

6.4068

384.6346,
424.6487, 518.1788

■ 0.9348, 1.3832,
3.0212

■ 0.0000, 0.2043,
1.1055

■ 70.1964, 80.3590,
106.4188

■ 70.1964, 80.3590,
106.4188

■ 62.7404, 74.0254,
105.5893

■ 78.8233, 87.3811,
107.3195

■ 56.3900, 68.3399,
104.8266

■ 88.6689, 95.1110,
108.2927

■ 51.0833, 63.2718,
104.1280

95.0500, 100.0000,
108.9000

■ 46.7495, 58.7838,
103.4902

■ 43.3085, 54.8339,
102.9092

■ 40.6666, 51.3730,
102.3804

■ 38.7079, 48.3406,
101.8983

■ 38.0299, 47.1799,
101.7100

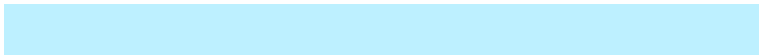
Harmonies

Analogous

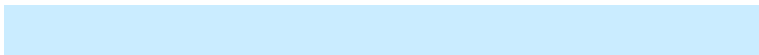
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1014, 80.3590, 93.8725



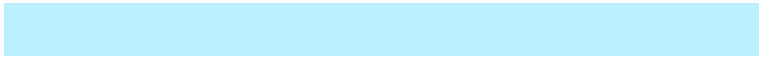
70.1964, 80.3590, 106.4188



73.9891, 80.3590, 114.2748

Triad

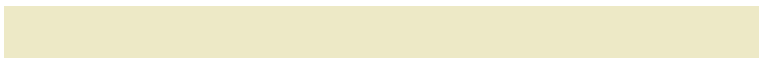
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1964, 80.3590, 106.4188



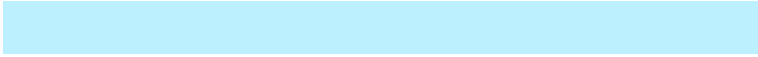
85.2316, 80.3590, 94.5979



74.2253, 80.3590, 65.1161

Complementary

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



70.1964, 80.3590, 106.4188



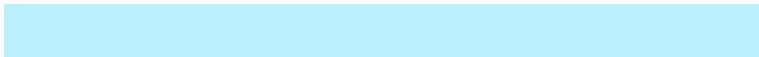
72.0183, 68.1194, 57.4986

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.



78.8195, 80.3590, 65.2682



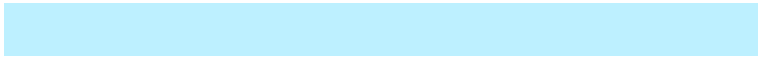
70.1964, 80.3590, 106.4188



85.3011, 80.3590, 81.4175

Square

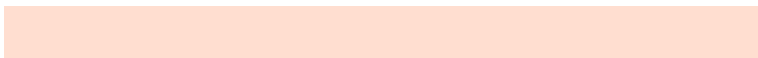
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



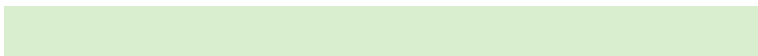
70.1964, 80.3590, 106.4188



82.7277, 80.3590, 106.9957



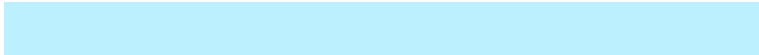
82.9140, 80.3590, 70.9631



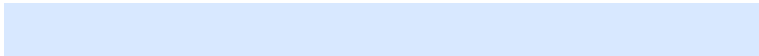
70.3634, 80.3590, 70.5245

Rectangle

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



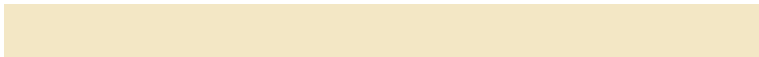
70.1964, 80.3590, 106.4188



77.0290, 80.3590, 115.3441



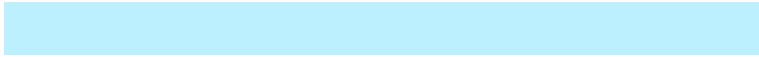
82.9140, 80.3590, 70.9631



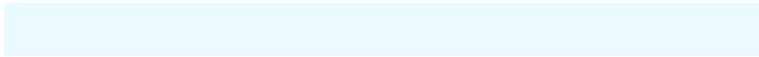
75.7323, 80.3590, 64.5371

Sweetspot

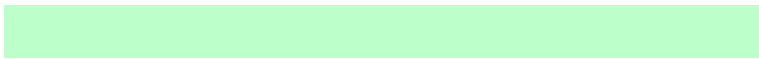
The Sweet Spot groups the original color and five complimentary colors.



70.1986, 80.3621, 106.4193



86.4781, 93.4123, 108.0802



67.5627, 86.6655, 69.8564



18.1843, 19.7402, 23.1018



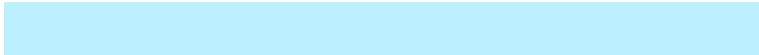
0.0000, 0.0000, 0.0000



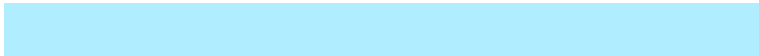
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1986, 80.3621, 106.4193



66.2386, 77.0350, 105.9858



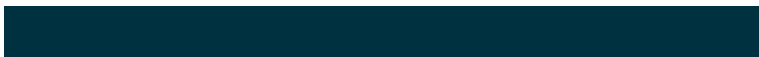
61.5205, 63.0060, 103.5266



18.1843, 19.7402, 23.1018



19.9893, 24.8882, 53.1849



2.0277, 2.5862, 5.2056

Inverse Universe

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



75.1672, 63.9482, 90.8232



72.0472, 58.4077, 87.6269



80.5079, 85.0986, 60.3285



18.6057, 18.2256, 21.8066



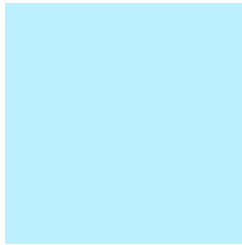
26.8779, 13.2404, 29.0711



2.6581, 1.3056, 3.0471

Previews

White Background



This preview shows how the XYZ color 70.1964, 80.3590, 106.4188 looks on a white background.

Color Contrast Check

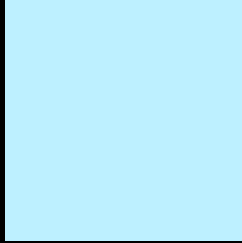
Large Text (above 18pt) WCAG AA × Fail

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 70.1964, 80.3590, 106.4188 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 70.1964, 80.3590, 106.4188

Background



This preview shows how black text looks on a background with the XYZ color 70.1964, 80.3590, 106.4188.

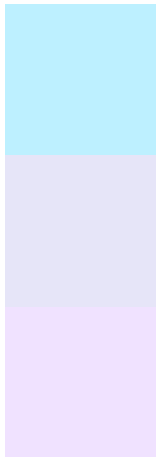


This preview shows how white text looks on a background with the XYZ color 70.1964, 80.3590,

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

70.1964, 80.3590, 106.4188

Protanopia

77.5957, 79.6389, 100.0891

Deuteranopia

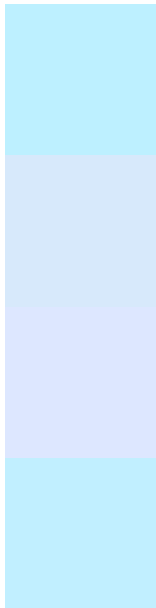
81.1815, 80.1380, 105.7972



Tritanopia

71.3895, 80.1048, 106.3069

Trichromacy



Original Color

70.1964, 80.3590, 106.4188

Protanomaly

74.5758, 79.6899, 102.7179

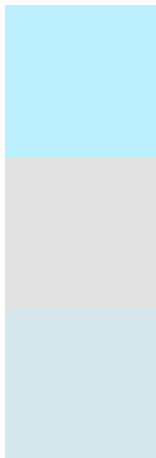
Deuteranomaly

76.4447, 79.7440, 105.9708

Tritanomaly

70.9088, 80.2905, 106.3681

Monochromacy



Original Color

70.1964, 80.3590, 106.4188

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.3025, 77.4124, 91.3048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1964, 80.3590, 106.4188 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 240, 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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.1964, 80.3590, 106.4188 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, 240, 255) }
```


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

```
.border{ border-color:rgb(189, 240, 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, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1964, 80.3590, 106.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 240, 255) }
```

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

```
.background{ background-color: rgb(189,  
240, 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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