

Converting Colors

XYZ(80.8383, 85.4570,
164.0433)

Have a look what the booklet for
XYZ(80.8383, 85.4570, 164.0433)
contains.

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Color

**XYZ(70.0518, 81.1634,
106.5817)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF2FF
RGB	186, 242, 255
RGB Percent	73%, 95%, 100%
CMY	0.2706, 0.0510, 0.0000
CMYK	0.27, 0.05, 0.00, 0.00
HSL	191°, 100%, 86%
HSV	191°, 27%, 100%
XYZ	70.0518, 81.1634, 106.5817
YIQ	226.7380, -37.5490, -7.8290

Conversions

Conversions Part 2

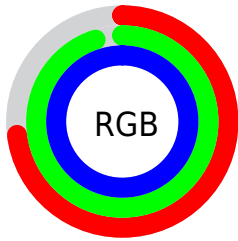
Format	Color
R_{YB}	186, 217, 255
Decimal	12251903
CIE _{Lab}	92.20, -14.75, -12.02
CIE _{LCh}	92, 19.031, 219.175
Yxy	81.1634, 0.2717, 0.3148
Android (android.graphics.Color)	4290441983 (0xFFBAF2FF)
YUV	226.7380, 13.9332, -35.7272
Hunter-Lab	90.0907, -18.8626, -7.0794

Details

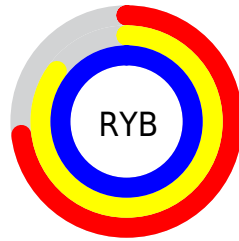
The XYZ color **70.0518, 81.1634, 106.5817** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5263, 65.6513, 55.4109**, and the grayscale version is **72.7467, 76.5352, 83.3469**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.1120, 44.0203, 59.9668** is the 20% darker color. If you saturate the color by 10%, you get **62.9907, 75.4309, 105.8474**, and if you desaturate by 10%, it is **78.2602, 87.5472, 107.3813**.

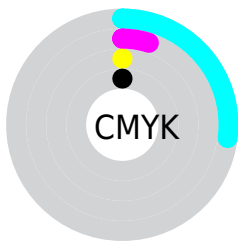
Distribution



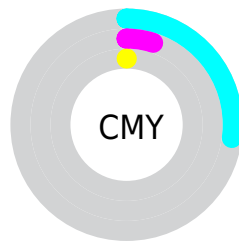
- Red (73%)
- Green (95%)
- Blue (100%)



- 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 70.0518, 81.1634, 106.5817 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 70.0518, 81.1634, 106.5817 by changing the saturation by 10% instead.

70.0518, 81.1634,
106.5817

70.0518, 81.1634,
106.5817

449.9954,
498.8450, 602.5203

51.8485, 60.6762,
81.1610

118.3085,
135.0002, 172.3034

37.1081, 43.9639,
60.1425

149.0926,
169.1185, 213.4415

25.4653, 30.6421,
43.1074

184.8010,
208.5494, 260.6559

16.5546, 20.3265,
29.6374

225.7991,
253.6771, 314.3651

10.0108, 12.6326,
19.3138

272.4523,
304.8862, 374.9876

5.4684, 7.1760,
11.7181

325.1258,

2.5622, 3.5724,

362.5609, 442.9419

6.4319

384.1851,
427.0857, 518.6467

■ 0.9267, 1.4374,
3.0364

■ 0.0000, 0.2440,
1.1133

■ 70.0518, 81.1634,
106.5817

■ 70.0518, 81.1634,
106.5817

■ 62.9907, 75.4309,
105.8474

■ 78.2602, 87.5472,
107.3813

■ 57.0113, 70.3093,
105.1740

■ 87.6642, 94.6014,
108.2472

■ 52.0512, 65.7682,
104.5589

95.0500, 100.0000,
108.9000

■ 48.0390, 61.7700,
103.9986

■ 44.8933, 58.2727,
103.4894

■ 42.5188, 55.2265,
103.0265

■ 40.7938, 52.5682,
102.6044

■ 40.3560, 51.8321,
102.4853

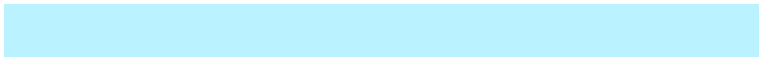
Harmonies

Analogous

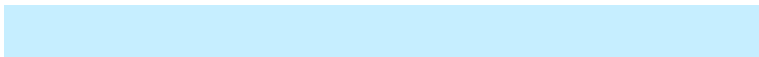
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1913, 81.1634, 92.7559



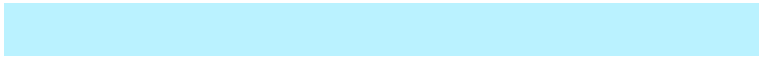
70.0518, 81.1634, 106.5817



73.8346, 81.1634, 116.1381

Triad

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



70.0518, 81.1634, 106.5817



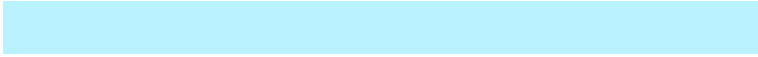
86.3107, 81.1634, 98.3411



75.6474, 81.1634, 64.2726

Complementary

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



70.0518, 81.1634, 106.5817



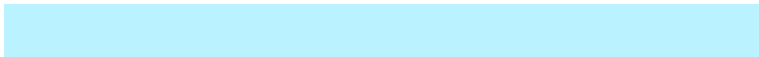
70.5263, 65.6513, 55.4109

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.



80.5496, 81.1634, 65.4285



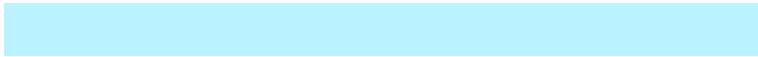
70.0518, 81.1634, 106.5817



86.8465, 81.1634, 84.1307

Square

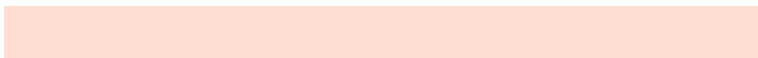
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



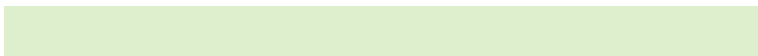
70.0518, 81.1634, 106.5817



83.2637, 81.1634, 111.0408



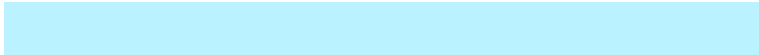
84.6981, 81.1634, 72.3663



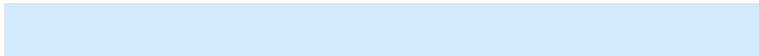
71.3306, 81.1634, 69.0215

Rectangle

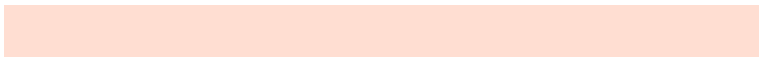
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



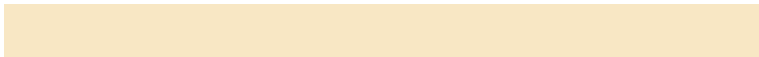
70.0518, 81.1634, 106.5817



77.0074, 81.1634, 118.2675



84.6981, 81.1634, 72.3663



77.2795, 81.1634, 63.9954

Sweetspot

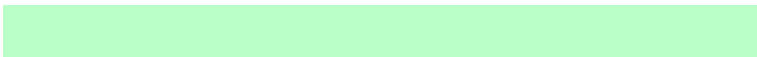
The Sweet Spot groups the original color and five complimentary colors.



70.0540, 81.1666, 106.5822



86.7255, 93.9071, 108.1627



66.2789, 86.0669, 66.9408



18.2469, 19.8655, 23.1227



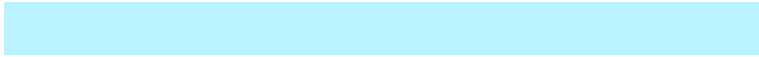
0.0000, 0.0000, 0.0000



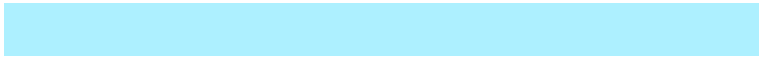
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0540, 81.1666, 106.5822



66.4237, 78.2531, 106.2112



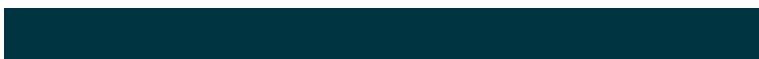
60.8202, 62.6991, 103.5043



18.2469, 19.8655, 23.1227



21.1910, 27.2916, 53.5855



2.1349, 2.8004, 5.2413

Inverse Universe

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



74.8273, 62.7902, 92.1840



71.9338, 57.5701, 89.4718



79.2849, 83.1686, 58.3304



18.6373, 18.2382, 21.9731



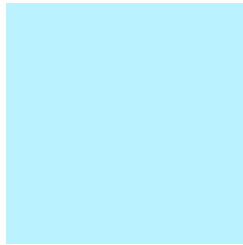
27.4844, 13.4831, 32.2652



2.7122, 1.3272, 3.3318

Previews

White Background



This preview shows how the XYZ color 70.0518, 81.1634, 106.5817 looks on a white background.

Color Contrast Check

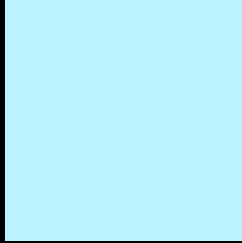
Large Text (above 18pt) WCAG AA × Fail

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 70.0518, 81.1634, 106.5817 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 70.0518, 81.1634, 106.5817

Background



This preview shows how black text looks on a background with the XYZ color 70.0518, 81.1634, 106.5817.



This preview shows how white text looks on a background with the XYZ color 70.0518, 81.1634,

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

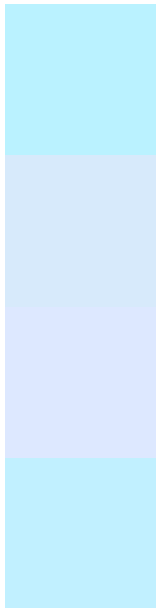




Tritanopia

71.9425, 80.8233, 106.4164

Trichromacy



Original Color

70.0518, 81.1634, 106.5817

Protanomaly

74.8597, 80.2577, 102.8126

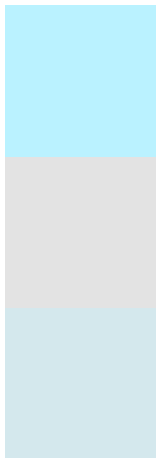
Deuteranomaly

76.7254, 80.3054, 106.0644

Tritanomaly

71.2024, 80.8776, 106.4659

Monochromacy



Original Color

70.0518, 81.1634, 106.5817

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2941, 77.8247, 91.3848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0518, 81.1634, 106.5817 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.0518, 81.1634, 106.5817 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, 242, 255) }
```


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

```
.border{ border-color:rgb(186, 242, 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, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0518, 81.1634, 106.5817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 242, 255) }
```

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

```
.background{ background-color: rgb(186,  
242, 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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