

Converting Colors

XYZ(70.8388, 81.3465,
106.5756)

Have a look what the booklet for
XYZ(70.8388, 81.3465, 106.5756)
contains.

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Color

**XYZ(71.0373, 81.6714,
106.6278)**

Conversions

Conversions Part 1

Format	Color
Hex	BEF2FF
RGB	190, 242, 255
RGB Percent	75%, 95%, 100%
CMY	0.2549, 0.0510, 0.0000
CMYK	0.25, 0.05, 0.00, 0.00
HSL	192°, 100%, 87%
HSV	192°, 25%, 100%
XYZ	71.0373, 81.6714, 106.6278
YIQ	227.9340, -35.1650, -6.9810

Conversions

Conversions Part 2

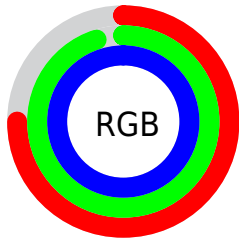
Format	Color
RYB	190, 219, 255
Decimal	12514047
CIELab	92.43, -13.62, -11.66
CIELCh	92, 17.928, 220.579
Yxy	81.6714, 0.2739, 0.3149
Android (android.graphics.Color)	4290704127 (0xFFBEF2FF)
YUV	227.9340, 13.3435, -33.2681
Hunter-Lab	90.3722, -17.8411, -6.6941

Details

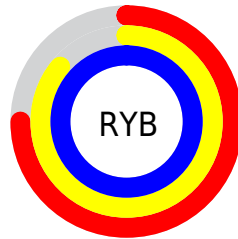
The XYZ color **71.0373, 81.6714, 106.6278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8901, 67.6889, 57.9932**, and the grayscale version is **73.6203, 77.4543, 84.3478**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **37.7436, 44.3459, 59.9964** is the 20% darker color. If you saturate the color by 10%, you get **63.7209, 75.6803, 105.8570**, and if you desaturate by 10%, it is **79.5146, 88.3279, 107.4659**.

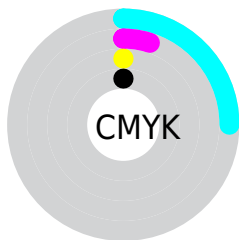
Distribution



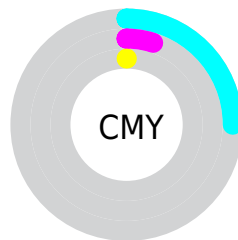
- Red (75%)
- Green (95%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0373, 81.6714, 106.6278 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 71.0373, 81.6714, 106.6278 by changing the saturation by 10% instead.

71.0373, 81.6714,
106.6278

71.0373, 81.6714,
106.6278

453.3936,
500.5479, 602.6666

52.6553, 61.0947,
81.1995

119.7051,
135.7131, 172.3669

37.7540, 44.3016,
60.1739

150.7215,
169.9469, 213.5148

25.9682, 30.9077,
43.1326

186.6802,
209.5019, 260.7396

16.9324, 20.5286,
29.6570

227.9463,
254.7624, 314.4599

10.2813, 12.7798,
19.3286

274.8854,
306.1128, 375.0942

5.6496, 7.2771,
11.7287

327.8628,

2.6718, 3.6360,

363.9376, 443.0611

6.4390

387.2437,
428.6212, 518.7790

■ 0.9827, 1.4721,
3.0407

■ 0.0000, 0.2690,
1.1155

■ 71.0373, 81.6714,
106.6278

■ 71.0373, 81.6714,
106.6278

■ 63.7209, 75.6803,
105.8570

■ 79.5146, 88.3279,
107.4659

■ 57.5005, 70.3144,
105.1492

■ 89.2004, 95.6687,
108.3723

■ 52.3147, 65.5436,
104.5016

95.0500, 100.0000,
108.9000

■ 48.0929, 61.3311,
103.9111

■ 44.7557, 57.6354,
103.3736

■ 42.2104, 54.4081,
102.8848

■ 40.3422, 51.5895,
102.4393

■ 39.6467, 50.4134,
102.2489

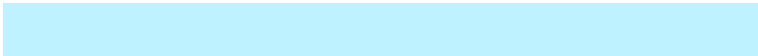
Harmonies

Analogous

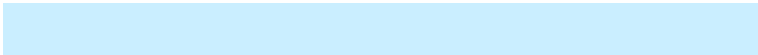
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.1721, 81.6714, 93.7063



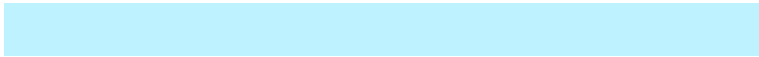
71.0373, 81.6714, 106.6278



74.6937, 81.6714, 115.3018

Triad

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



71.0373, 81.6714, 106.6278



86.3593, 81.6714, 97.7070



75.9977, 81.6714, 66.0740

Complementary

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



71.0373, 81.6714, 106.6278



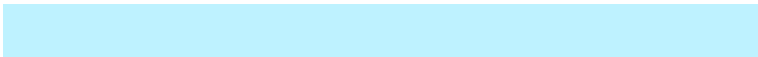
71.8901, 67.6889, 57.9932

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.



80.6345, 81.6714, 66.9150



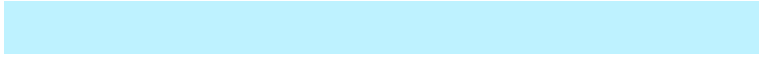
71.0373, 81.6714, 106.6278



86.7426, 81.6714, 84.3116

Square

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



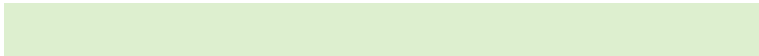
71.0373, 81.6714, 106.6278



83.5833, 81.6714, 109.8066



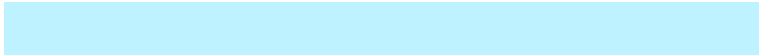
84.6105, 81.6714, 73.3010



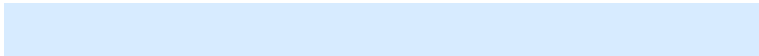
71.9592, 81.6714, 70.8764

Rectangle

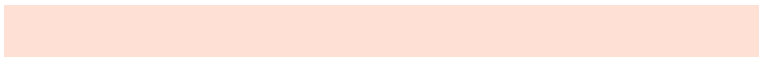
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



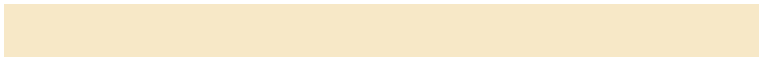
71.0373, 81.6714, 106.6278



77.7165, 81.6714, 117.0398



84.6105, 81.6714, 73.3010



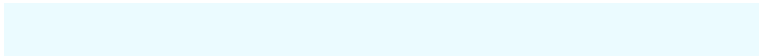
77.5360, 81.6714, 65.7190

Sweetspot

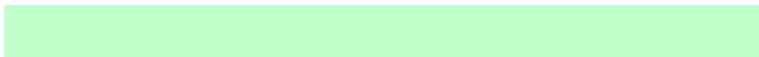
The Sweet Spot groups the original color and five complimentary colors.



71.0395, 81.6746, 106.6283



86.6516, 93.7593, 108.1381



67.6470, 86.7280, 69.0017



18.2282, 19.8281, 23.1164



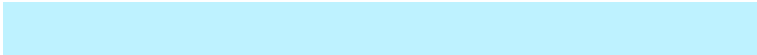
0.0000, 0.0000, 0.0000



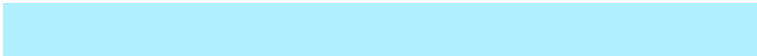
20.3446, 21.4041, 23.3091

Same Dimension

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



71.0395, 81.6746, 106.6283



66.8668, 78.2915, 106.1953



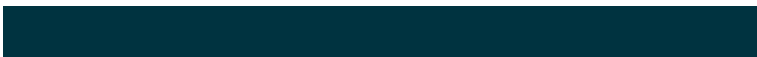
62.4773, 64.5503, 103.7743



18.2282, 19.8281, 23.1164



20.8247, 26.5590, 53.4634



2.1023, 2.7353, 5.2304

Inverse Universe

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



75.6818, 64.4993, 92.4688



72.3644, 58.5346, 89.2968



80.0764, 84.0615, 60.7219



18.6278, 18.2345, 21.9234



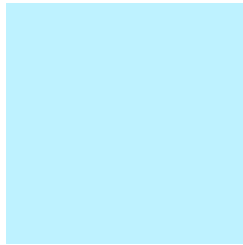
27.2996, 13.4091, 31.2916



2.6958, 1.3207, 3.2453

Previews

White Background



This preview shows how the XYZ color 71.0373, 81.6714, 106.6278 looks on a white background.

Color Contrast Check

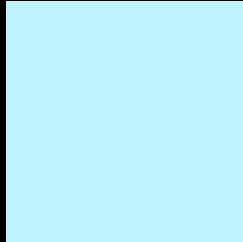
Large Text (above 18pt) WCAG AA × Fail

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 71.0373, 81.6714, 106.6278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

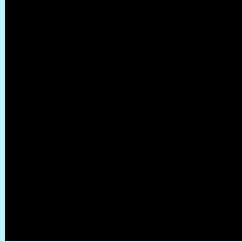
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.0373, 81.6714, 106.6278

Background



This preview shows how black text looks on a background with the XYZ color 71.0373, 81.6714, 106.6278.

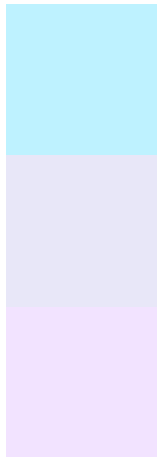


This preview shows how white text looks on a background with the XYZ color 71.0373, 81.6714,

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

71.0373, 81.6714, 106.6278

Protanopia

78.7979, 81.0849, 100.3048

Deuteranopia

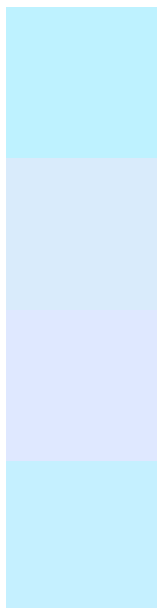
82.1370, 81.0354, 105.9201



Tritanopia

73.0039, 81.3705, 106.4661

Trichromacy



Original Color

71.0373, 81.6714, 106.6278

Protanomaly

75.7362, 81.1334, 102.9354

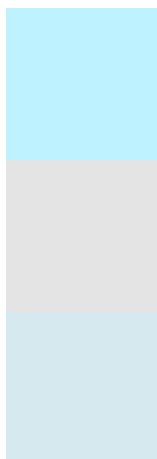
Deuteranomaly

77.3380, 80.6212, 106.0930

Tritanomaly

72.2360, 81.4105, 106.5143

Monochromacy



Original Color

71.0373, 81.6714, 106.6278

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.3031, 78.7470, 92.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0373, 81.6714, 106.6278 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(190, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.0373, 81.6714, 106.6278 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(190, 242, 255) }
```


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

```
.border{ border-color:rgb(190, 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(190, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0373, 81.6714, 106.6278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 242, 255) }
```

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

```
.background{ background-color: rgb(190,  
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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