

Converting Colors

XYZ(70.9773, 78.4998,
106.0188)

Have a look what the booklet for
XYZ(70.9773, 78.4998, 106.0188)
contains.

XYZ(71.0470, 78.6424, 106.0427)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.0470, 78.6424,
106.0427)**

Conversions

Conversions Part 1

Format	Color
Hex	C6EBFF
RGB	198, 235, 255
RGB Percent	78%, 92%, 100%
CMY	0.2235, 0.0784, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	201°, 100%, 89%
HSV	201°, 22%, 100%
XYZ	71.0470, 78.6424, 106.0427
YIQ	226.2170, -28.4720, -1.6240

Conversions

Conversions Part 2

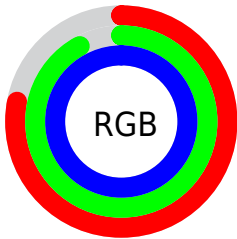
Format	Color
R_{YB}	198, 220, 255
Decimal	13036543
CIE _{Lab}	91.07, -7.74, -13.64
CIE _{LCh}	91, 15.684, 240.409
Yxy	78.6424, 0.2778, 0.3075
Android (android.graphics.Color)	4291226623 (0xFFC6EBFF)
YUV	226.2170, 14.1900, -24.7463
Hunter-Lab	88.6806, -12.1845, -8.8216

Details

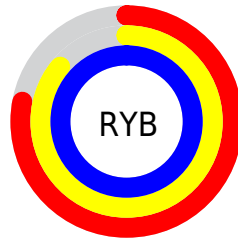
The XYZ color **71.0470, 78.6424, 106.0427** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5043, 75.4792, 63.9645**, and the grayscale version is **72.3628, 76.1313, 82.9069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6408, 42.1571, 59.5793** is the 20% darker color. If you saturate the color by 10%, you get **62.3862, 70.4725, 104.9222**, and if you desaturate by 10%, it is **80.9723, 87.6595, 107.2600**.

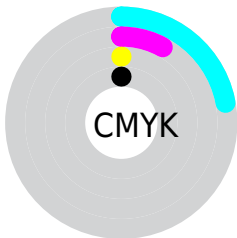
Distribution



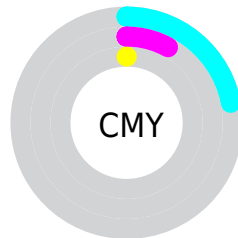
- Red (78%)
- Green (92%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0470, 78.6424, 106.0427 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 71.0470, 78.6424, 106.0427 by changing the saturation by 10% instead.

71.0470, 78.6424,
106.0427

71.0470, 78.6424,
106.0427

453.4270,
490.3458, 600.8086

52.6632, 58.6018,
80.7116

119.7188,
131.4553, 171.5608

37.7604, 42.2927,
59.7745

150.7375,
164.9965, 212.5849

25.9731, 29.3305,
42.8128

186.6986,
203.8066, 259.6771

16.9361, 19.3310,
29.4080

227.9674,
248.2701, 313.2560

10.2840, 11.9097,
19.1414

274.9093,
298.7714, 373.7400

5.6514, 6.6822,
11.5947

327.8896,

2.6729, 3.2642,

355.6948, 441.5478

6.3491

387.2738,
419.4248, 517.0978

■ 0.9832, 1.2712,
2.9863

■ 0.0000, 0.1187,
1.0877

■ 71.0470, 78.6424,
106.0427

■ 71.0470, 78.6424,
106.0427

■ 62.3862, 70.4725,
104.9222

■ 80.9723, 87.6595,
107.2600

■ 54.9252, 63.1074,
103.8938

■ 92.2104, 97.5452,
108.5758

■ 48.6026, 56.5149,
102.9546

■ 95.0500, 100.0000,
108.9000

■ 43.3487, 50.6560,
102.1006

■ 39.0855, 45.4875,
101.3277

■ 35.7235, 40.9603,
100.6310

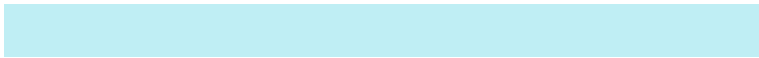
■ 33.1543, 37.0153,
100.0050

■ 31.6033, 34.3266,
99.5678

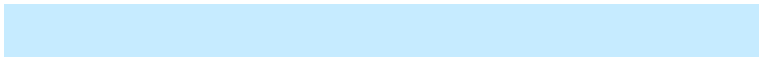
Harmonies

Analogous

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



68.3658, 78.6424, 97.1569



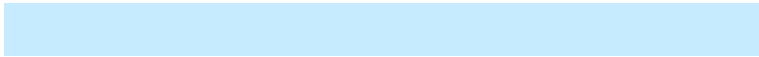
71.0470, 78.6424, 106.0427



74.8016, 78.6424, 109.3587

Triad

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



71.0470, 78.6424, 106.0427



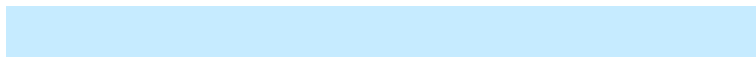
82.6294, 78.6424, 85.4725



70.9560, 78.6424, 68.1515

Complementary

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



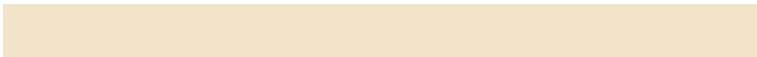
71.0470, 78.6424, 106.0427



76.5043, 75.4792, 63.9645

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.



74.6929, 78.6424, 65.6059



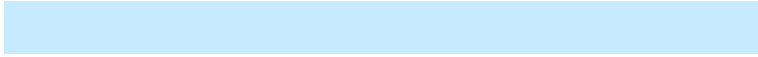
71.0470, 78.6424, 106.0427



81.5139, 78.6424, 75.0496

Square

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



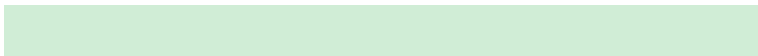
71.0470, 78.6424, 106.0427



81.5715, 78.6424, 96.8637



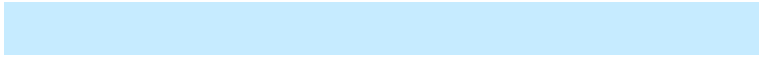
78.5738, 78.6424, 68.0178



68.3146, 78.6424, 75.2970

Rectangle

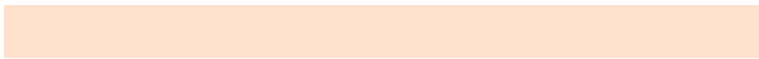
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0470, 78.6424, 106.0427



77.4363, 78.6424, 107.7546



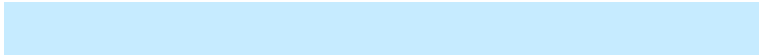
78.5738, 78.6424, 68.0178



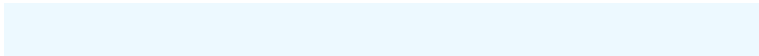
72.1212, 78.6424, 66.7592

Sweetspot

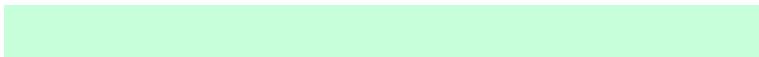
The Sweet Spot groups the original color and five complimentary colors.



71.0491, 78.6455, 106.0432



86.8199, 92.8399, 107.9517



71.6980, 88.5856, 79.6164



18.4378, 19.7438, 23.0891



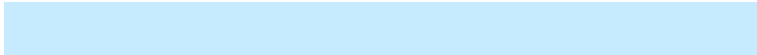
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



71.0491, 78.6455, 106.0432



66.8692, 74.7439, 105.5104



63.5440, 63.6352, 103.5414



17.9872, 19.3459, 23.0361



16.6589, 18.2274, 52.0748



1.7247, 1.9800, 5.1046

Inverse Universe

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



76.4308, 67.6479, 87.6298



73.2327, 62.2019, 83.6342



84.5263, 91.5232, 66.6385



18.5062, 18.1858, 21.2826



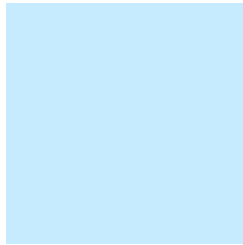
25.1968, 12.5680, 20.2188



2.5051, 1.2444, 2.2415

Previews

White Background



This preview shows how the XYZ color 71.0470, 78.6424, 106.0427 looks on a white background.

Color Contrast Check

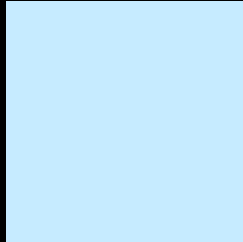
Large Text (above 18pt) WCAG AA × Fail

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 71.0470, 78.6424, 106.0427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

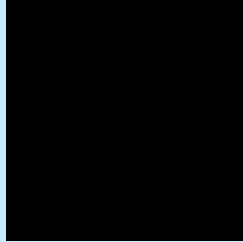
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

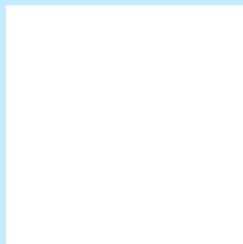
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0470, 78.6424, 106.0427

Background



This preview shows how black text looks on a background with the XYZ color 71.0470, 78.6424, 106.0427.

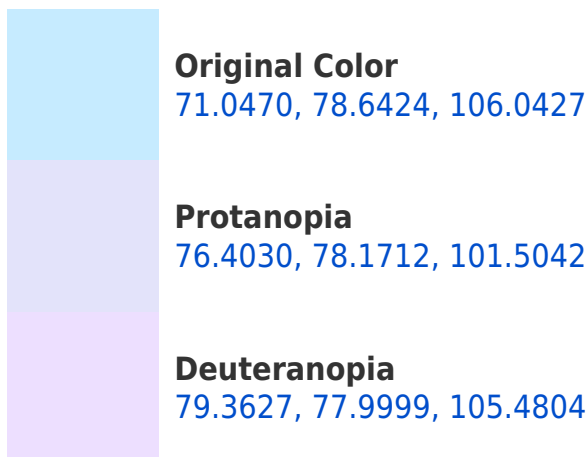


This preview shows how white text looks on a background with the XYZ color 71.0470, 78.6424,

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

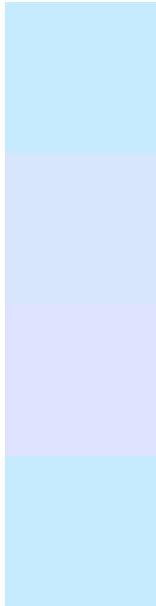




Tritanopia

70.8864, 78.5782, 105.1969

Trichromacy



Original Color

71.0470, 78.6424, 106.0427

Protanomaly

74.1864, 78.2208, 103.2835

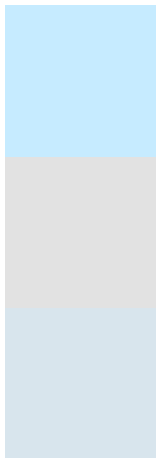
Deuteranomaly

75.9505, 77.8461, 105.6305

Tritanomaly

70.8864, 78.5782, 105.1969

Monochromacy



Original Color

71.0470, 78.6424, 106.0427

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6243, 76.7520, 91.1604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0470, 78.6424, 106.0427 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(198, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 235, 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(198, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.0470, 78.6424, 106.0427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

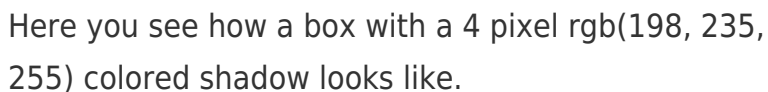
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 235, 255) }
```


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

```
.border{ border-color:rgb(198, 235, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0470, 78.6424, 106.0427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 235, 255) }
```

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

```
.background{ background-color: rgb(198,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor