

Converting Colors

XYZ(71.7683, 84.5435,
114.3600)

Have a look what the booklet for
XYZ(71.7683, 84.5435, 114.3600)
contains.

XYZ(70.4398, 84.0581, 107.1200)	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(70.4398, 84.0581,
107.1200)**

Conversions

Conversions Part 1

Format	Color
Hex	B4F8FF
RGB	180, 248, 255
RGB Percent	71%, 97%, 100%
CMY	0.2941, 0.0274, 0.0000
CMYK	0.29, 0.03, 0.00, 0.00
HSL	186°, 100%, 85%
HSV	186°, 29%, 100%
XYZ	70.4398, 84.0581, 107.1200
YIQ	228.4660, -42.7750, -12.2390

Conversions

Conversions Part 2

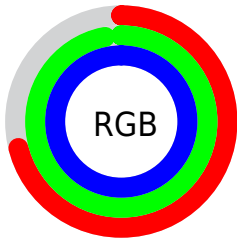
Format	Color
R _Y B	180, 216, 255
Decimal	11860223
CIE Lab	93.48, -19.40, -10.16
CIE LCh	93, 21.902, 207.648
Yxy	84.0581, 0.2692, 0.3213
Android (android.graphics.Color)	4290050303 (0xFFB4F8FF)
YUV	228.4660, 13.0813, -42.5047
Hunter-Lab	91.6832, -23.3048, -5.0945

Details

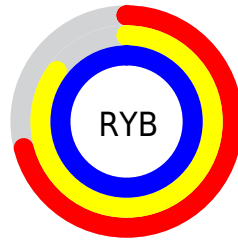
The XYZ color **70.4398, 84.0581, 107.1200** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2487, 60.0956, 51.2371**, and the grayscale version is **74.0155, 77.8701, 84.8005**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **37.2813, 45.6988, 60.2819** is the 20% darker color. If you saturate the color by 10%, you get **64.3146, 79.8238, 106.6255**, and if you desaturate by 10%, it is **77.6708, 88.8804, 107.6697**.

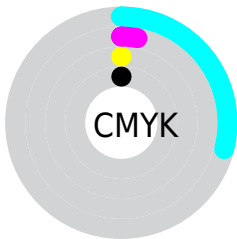
Distribution



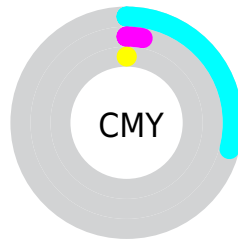
- Red (71%)
- Green (97%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4398, 84.0581, 107.1200 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 70.4398, 84.0581, 107.1200 by changing the saturation by 10% instead.

70.4398, 84.0581,
107.1200

70.4398, 84.0581,
107.1200

451.3351,
508.5062, 604.2273

52.1660, 63.0634,
81.6100

118.8586,
139.0564, 173.0447

37.3623, 45.8925,
60.5102

149.7343,
173.8289, 214.2965

25.6631, 32.1610,
43.4020

185.5414,
213.9627, 261.6326

16.7031, 21.4845,
29.8669

226.6453,
259.8423, 315.4716

10.1170, 13.4786,
19.4864

273.4112,
311.8520, 376.2321

5.5395, 7.7589,
11.8419

326.2046,

2.6051, 3.9411,

370.3763, 444.3325

6.5149

385.3908,
435.7996, 520.1914

■ 0.9486, 1.6407,
3.0868

■ 0.0000, 0.3848,
1.1391

■ 70.4398, 84.0581,
107.1200

■ 70.4398, 84.0581,
107.1200

■ 64.3146, 79.8238,
106.6255

■ 77.6708, 88.8804,
107.6697

■ 59.2285, 76.1368,
106.1820

■ 86.0562, 94.3097,
108.2757

■ 55.1180, 72.9665,
105.7867

95.0500, 100.0000,
108.9000

■ 51.9097, 70.2749,
105.4362

■ 49.5199, 68.0189,
105.1267

■ 47.8491, 66.1470,
104.8535

■ 46.7442, 64.5804,
104.6093

■ 46.6860, 64.4920,
104.5953

Harmonies

Analogous

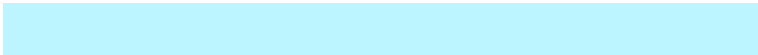
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2868, 84.0581, 90.2238



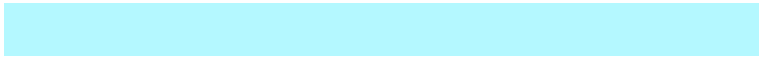
70.4398, 84.0581, 107.1200



74.0883, 84.0581, 121.1647

Triad

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



70.4398, 84.0581, 107.1200



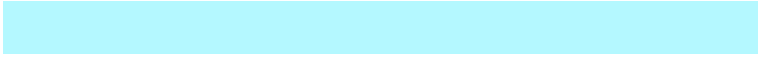
89.6660, 84.0581, 109.6547



80.3521, 84.0581, 63.2393

Complementary

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



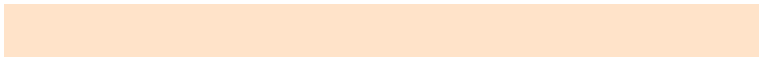
70.4398, 84.0581, 107.1200



67.2487, 60.0956, 51.2371

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.



85.9969, 84.0581, 67.1620



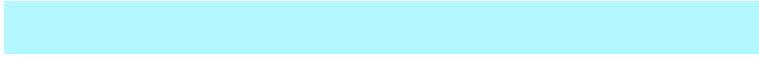
70.4398, 84.0581, 107.1200



91.5336, 84.0581, 92.8386

Square

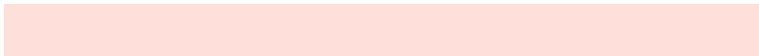
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4398, 84.0581, 107.1200



85.1691, 84.0581, 122.7479



90.1599, 84.0581, 77.5221



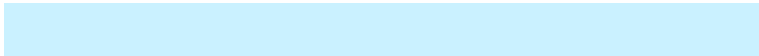
74.8427, 84.0581, 66.1039

Rectangle

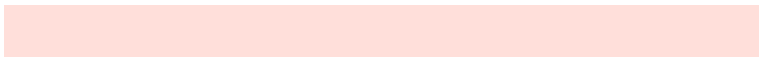
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4398, 84.0581, 107.1200



77.5385, 84.0581, 126.3092



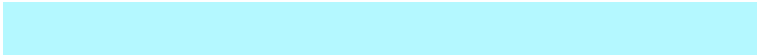
90.1599, 84.0581, 77.5221



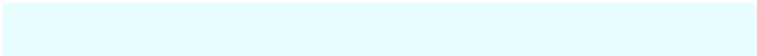
82.2982, 84.0581, 63.7964

Sweetspot

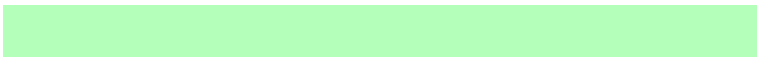
The Sweet Spot groups the original color and five complimentary colors.



70.4420, 84.0614, 107.1205



86.4258, 94.5459, 108.3018



63.4731, 84.7797, 59.6144



18.2202, 20.0585, 23.1613



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.



70.4420, 84.0614, 107.1205



66.8850, 81.6230, 106.8373



60.2301, 63.6376, 103.7166



18.4015, 20.1746, 23.1742



24.4540, 33.8176, 54.6732



2.4215, 3.3737, 5.3368

Inverse Universe

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



74.5060, 60.6815, 96.5965



71.5692, 55.1370, 94.6034



76.0675, 77.7332, 54.1767



18.7153, 18.2694, 22.3839



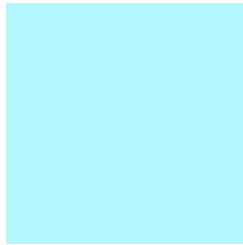
29.1315, 14.1419, 40.9382



2.8569, 1.3851, 4.0936

Previews

White Background



This preview shows how the XYZ color 70.4398, 84.0581, 107.1200 looks on a white background.

Color Contrast Check

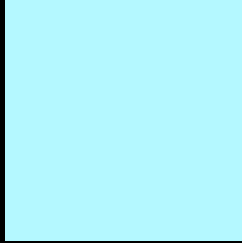
Large Text (above 18pt) WCAG AA × Fail

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 70.4398, 84.0581, 107.1200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

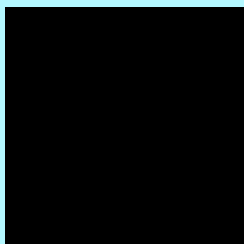
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4398, 84.0581, 107.1200

Background



This preview shows how black text looks on a background with the XYZ color 70.4398, 84.0581, 107.1200.

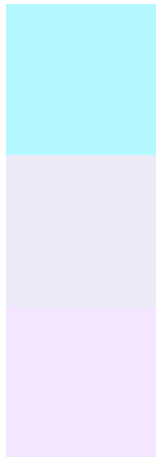


This preview shows how white text looks on a background with the XYZ color 70.4398, 84.0581,

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

70.4398, 84.0581, 107.1200

Protanopia

80.8034, 83.3939, 99.8335

Deuteranopia

84.0030, 83.2261, 106.2446



Tritanopia

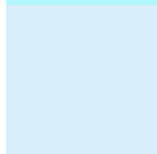
74.7040, 83.5616, 106.7994

Trichromacy



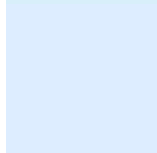
Original Color

70.4398, 84.0581, 107.1200



Protanomaly

76.4407, 83.2341, 102.4794



Deuteranomaly

78.1530, 83.1605, 106.5402



Tritanomaly

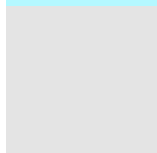
72.9064, 83.5235, 106.8868

Monochromacy



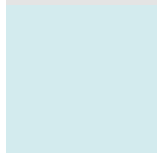
Original Color

70.4398, 84.0581, 107.1200



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

72.0049, 79.4386, 92.4270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4398, 84.0581, 107.1200 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(180, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 248, 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(180, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.4398, 84.0581, 107.1200 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(180, 248, 255) }
```


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

```
.border{ border-color:rgb(180, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(180, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4398, 84.0581, 107.1200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 248, 255) }
```

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

```
.background{ background-color: rgb(180,  
248, 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