

# Converting Colors

XYZ(70.5679, 83.4444,  
106.9948)

Have a look what the booklet for  
XYZ(70.5679, 83.4444, 106.9948)  
contains.

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# Color

**XYZ(70.6022, 83.6866,  
107.0397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F7FF
RGB	182, 247, 255
RGB Percent	71%, 97%, 100%
CMY	0.2863, 0.0314, 0.0000
CMYK	0.29, 0.03, 0.00, 0.00
HSL	187°, 100%, 86%
HSV	187°, 29%, 100%
XYZ	70.6022, 83.6866, 107.0397
YIQ	228.4770, -41.3080, -11.2920

# Conversions

## Conversions Part 2

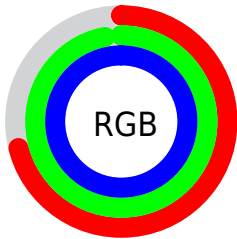
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 216, 255
Decimal	11991039
CIE <sub>Lab</sub>	93.31, -18.36, -10.39
CIE <sub>LCh</sub>	93, 21.095, 209.514
Yxy	83.6866, 0.2702, 0.3202
Android (android.graphics.Color)	4290181119 (0xFFB6F7FF)
YUV	228.4770, 13.0758, -40.7603
Hunter-Lab	91.4804, -22.3290, -5.3380

# Details

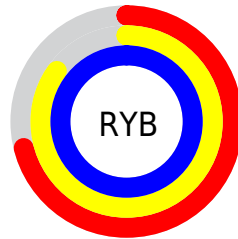
The XYZ color **70.6022, 83.6866, 107.0397** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0971, 61.4640, 52.5326**, and the grayscale version is **74.0229, 77.8778, 84.8089**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **37.5762, 45.8508, 60.2957** is the 20% darker color. If you saturate the color by 10%, you get **64.2723, 79.1670, 106.5010**, and if you desaturate by 10%, it is **78.0458, 88.8036, 107.6351**.

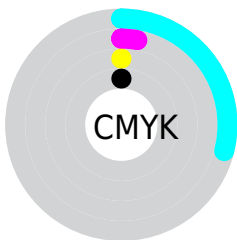
# Distribution



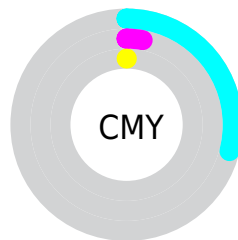
- Red (71%)
- Green (97%)
- Blue (100%)



- 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 70.6022, 83.6866, 107.0397 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 70.6022, 83.6866, 107.0397 by changing the saturation by 10% instead.



70.6022, 83.6866,  
107.0397

70.6022, 83.6866,  
107.0397

451.8951,  
507.2719, 603.9729

52.2990, 62.7567,  
81.5430

119.0887,  
138.5367, 172.9341

37.4687, 45.6444,  
60.4553

150.0028,  
173.2257, 214.1690

25.7459, 31.9653,  
43.3580

185.8511,  
213.2699, 261.4870

16.7653, 21.3350,  
29.8327

226.9991,  
259.0536, 315.3066

10.1616, 13.3691,  
19.4606

273.8122,  
310.9613, 376.0465

5.5693, 7.6832,  
11.8234

326.6556,

2.6232, 3.8929,

369.3773, 444.1252

6.5025

385.8948,  
434.6860, 519.9611

■ 0.9578, 1.6138,  
3.0793

■ 0.0000, 0.3669,  
1.1353

■ 70.6022, 83.6866,  
107.0397

■ 70.6022, 83.6866,  
107.0397

■ 64.2723, 79.1670,  
106.5010

■ 78.0458, 88.8036,  
107.6351

■ 58.9899, 75.2042,  
106.0145

■ 86.6517, 94.5366,  
108.2881

■ 54.6920, 71.7677,  
105.5777

95.0500, 100.0000,  
108.9000

■ 51.3058, 68.8200,  
105.1872

■ 48.7485, 66.3183,  
104.8391

■ 46.9222, 64.2120,  
104.5288

■ 45.6871, 62.4290,  
104.2498

■ 45.5381, 62.1961,  
104.2127

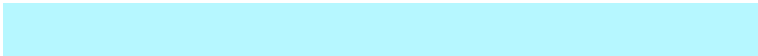
# Harmonies

## Analogous

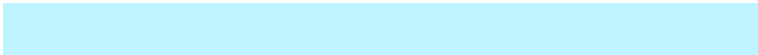
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.3299, 83.6866, 90.8614



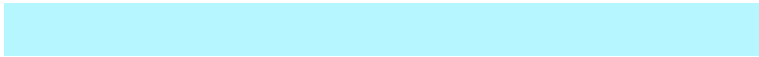
70.6022, 83.6866, 107.0397



74.2439, 83.6866, 120.1116

# Triad

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



70.6022, 83.6866, 107.0397



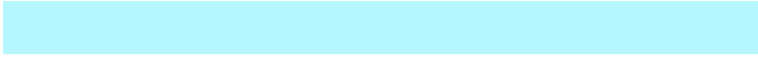
89.1077, 83.6866, 107.5406



79.6322, 83.6866, 63.8220

# Complementary

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



70.6022, 83.6866, 107.0397



68.0971, 61.4640, 52.5326

# 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.



85.0855, 83.6866, 67.2155



70.6022, 83.6866, 107.0397



90.7099, 83.6866, 91.3801

# Square

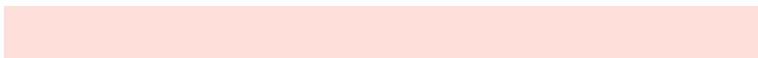
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6022, 83.6866, 107.0397



84.9215, 83.6866, 120.4237



89.2054, 83.6866, 76.8635



74.3938, 83.6866, 67.0040

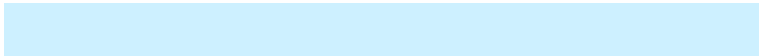


# Rectangle

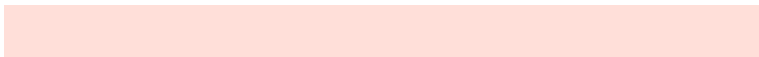
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6022, 83.6866, 107.0397



77.6132, 83.6866, 124.6381



89.2054, 83.6866, 76.8635



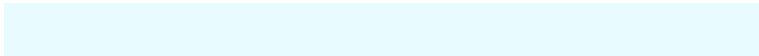
81.5017, 83.6866, 64.2250

# Sweetspot

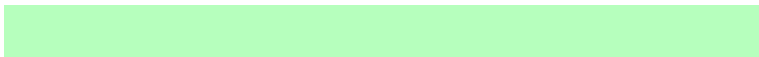
The Sweet Spot groups the original color and five complimentary colors.



70.6044, 83.6899, 107.0403



86.3082, 94.3108, 108.2626



64.2705, 85.1528, 61.3656



18.1910, 20.0001, 23.1516



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.



70.6044, 83.6899, 107.0403



67.0674, 81.1877, 106.7437



60.6868, 63.8546, 103.7344



18.3749, 20.1215, 23.1653



23.8629, 32.6354, 54.4761



2.3700, 3.2706, 5.3197



# Inverse Universe

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



74.7579, 61.4331, 95.9170



71.8565, 55.9995, 93.8116



76.8263, 78.9223, 55.4423



18.7019, 18.2641, 22.3133



28.8331, 14.0225, 39.3671

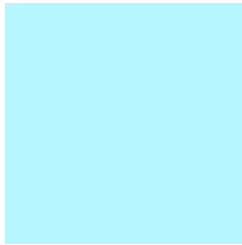


2.8309, 1.3747, 3.9567



# Previews

## White Background



This preview shows how the XYZ color 70.6022, 83.6866, 107.0397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

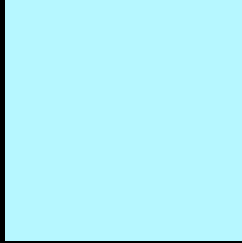
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6022, 83.6866, 107.0397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

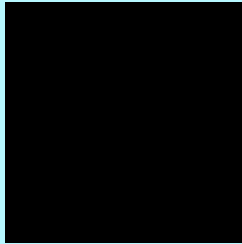
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.6022, 83.6866, 107.0397**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6022, 83.6866, 107.0397.



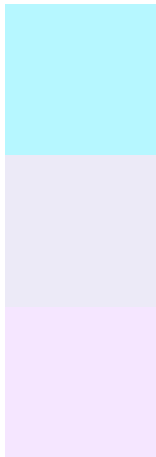
This preview shows how white text looks on a background with the XYZ color 70.6022, 83.6866,



# 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

70.6022, 83.6866, 107.0397

### Protanopia

80.8034, 83.3939, 99.8335

### Deuteranopia

84.0030, 83.2261, 106.2446



## Tritanopia

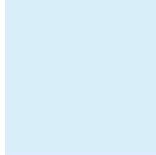
74.7040, 83.5616, 106.7994

# Trichromacy



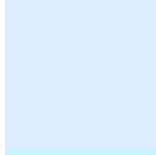
## Original Color

70.6022, 83.6866, 107.0397



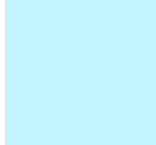
## Protanomaly

76.4407, 83.2341, 102.4794



## Deuteranomaly

78.1697, 82.7405, 106.4583



## Tritanomaly

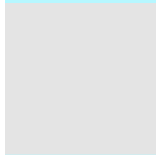
73.1656, 83.6571, 106.8989

# Monochromacy



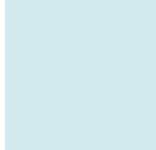
## Original Color

70.6022, 83.6866, 107.0397



## 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 70.6022, 83.6866, 107.0397 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(182, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 247, 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(182, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6022, 83.6866, 107.0397 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(182, 247, 255) }
```



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

```
.border{ border-color:rgb(182, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(182, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6022, 83.6866, 107.0397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 247, 255) }
```

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

```
.background{ background-color: rgb(182,  
247, 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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