

# Converting Colors

XYZ(70.4906, 84.6753,  
107.2365)

Have a look what the booklet for  
XYZ(70.4906, 84.6753, 107.2365)  
contains.

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# **Color**

**XYZ(70.5161, 84.5551,  
107.2119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3F9FF
RGB	179, 249, 255
RGB Percent	70%, 98%, 100%
CMY	0.2980, 0.0235, 0.0000
CMYK	0.30, 0.02, 0.00, 0.00
HSL	185°, 100%, 85%
HSV	185°, 30%, 100%
XYZ	70.5161, 84.5551, 107.2119
YIQ	228.7540, -43.6460, -12.9740

# Conversions

## Conversions Part 2

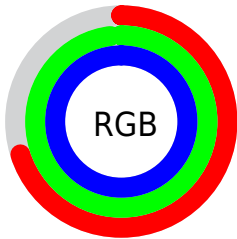
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 215, 255
Decimal	11794943
CIELab	93.69, -20.17, -9.85
CIELCh	94, 22.443, 206.031
Yxy	84.5551, 0.2689, 0.3224
Android (android.graphics.Color)	4289985023 (0xFFB3F9FF)
YUV	228.7540, 12.9393, -43.6343
Hunter-Lab	91.9538, -24.0340, -4.7604

# Details

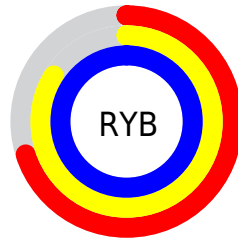
The XYZ color **70.5161, 84.5551, 107.2119** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.7257, 59.2122, 50.5619**, and the grayscale version is **74.2282, 78.0939, 85.0442**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **37.2111, 45.9874, 60.3413** is the 20% darker color. If you saturate the color by 10%, you get **64.5407, 80.5587, 106.7555**, and if you desaturate by 10%, it is **77.5924, 89.1332, 107.7226**.

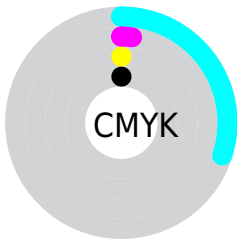
# Distribution



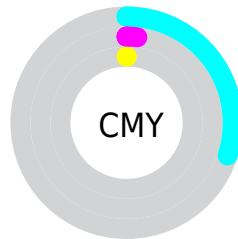
- Red (70%)
- Green (98%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5161, 84.5551, 107.2119 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 70.5161, 84.5551, 107.2119 by changing the saturation by 10% instead.



70.5161, 84.5551,  
107.2119

70.5161, 84.5551,  
107.2119

451.5983,  
510.1548, 604.5185

52.2285, 63.4738,  
81.6867

118.9667,  
139.7514, 173.1712

37.4123, 46.2246,  
60.5730

149.8605,  
174.6353, 214.4424

25.7020, 32.4231,  
43.4523

185.6869,  
214.8887, 261.7993

16.7323, 21.6849,  
29.9062

226.8116,  
260.8963, 315.6604

10.1380, 13.6256,  
19.5159

273.5996,  
313.0423, 376.4444

5.5535, 7.8607,  
11.8631

326.4165,

2.6136, 4.0059,

371.7111, 444.5697

6.5291

385.6276,  
437.2871, 520.4549

■ 0.9529, 1.6769,  
3.0955

■ 0.0000, 0.4086,  
1.1436

■ 70.5161, 84.5551,  
107.2119

■ 70.5161, 84.5551,  
107.2119

■ 64.5407, 80.5587,  
106.7555

■ 77.5924, 89.1332,  
107.7226

■ 59.5994, 77.1030,  
106.3489

■ 85.8184, 94.3118,  
108.2886

■ 55.6282, 74.1573,  
105.9896

95.0500, 100.0000,  
108.9000

■ 52.5537, 71.6836,  
105.6742

■ 50.2915, 69.6385,  
105.3987

■ 48.7413, 67.9702,  
105.1584

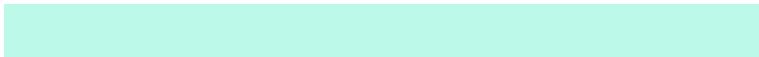
■ 47.7426, 66.5958,  
104.9457

■ 47.7249, 66.5698,  
104.9416

# Harmonies

## Analogous

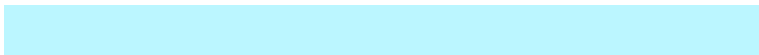
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4823, 84.5551, 89.8160



70.5161, 84.5551, 107.2119



74.1407, 84.5551, 122.0110

# Triad

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



70.5161, 84.5551, 107.2119



90.2368, 84.5551, 111.6205



81.1619, 84.5551, 63.0872

# Complementary

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



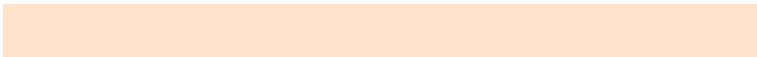
70.5161, 84.5551, 107.2119



66.7257, 59.2122, 50.5619

# 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.



86.9326, 84.5551, 67.4715



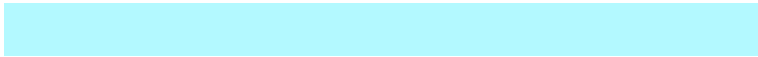
70.5161, 84.5551, 107.2119



92.3331, 84.5551, 94.3535

# Square

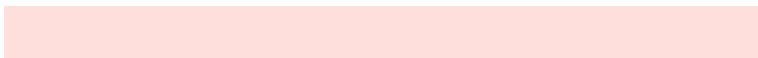
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5161, 84.5551, 107.2119



85.4948, 84.5551, 124.7688



91.0953, 84.5551, 78.4185



75.4486, 84.5551, 65.6441

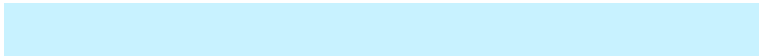


# Rectangle

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



70.5161, 84.5551, 107.2119



77.6360, 84.5551, 127.6757



91.0953, 84.5551, 78.4185



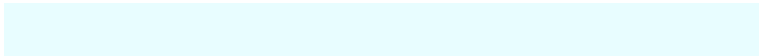
83.1615, 84.5551, 63.7820

# Sweetspot

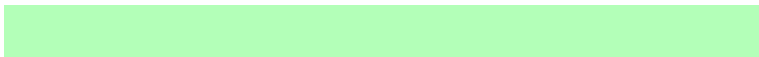
The Sweet Spot groups the original color and five complimentary colors.



70.5183, 84.5584, 107.2124



86.5301, 94.7544, 108.3366



63.0103, 84.5677, 58.3880



18.2461, 20.1102, 23.1699



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

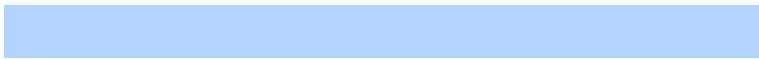
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5183, 84.5584, 107.2124



66.6883, 82.0137, 106.9231



60.1685, 63.8587, 103.7625



18.4250, 20.2217, 23.1820



24.9887, 34.8870, 54.8514



2.4680, 3.4666, 5.3523



# Inverse Universe

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



74.4604, 60.3414, 97.3489



71.2785, 54.2878, 95.3320



75.5164, 76.7936, 53.4922



18.7272, 18.2742, 22.4465



29.4013, 14.2498, 42.3595

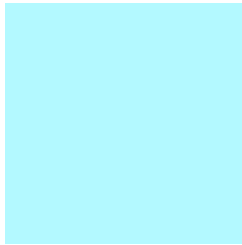


2.8803, 1.3945, 4.2172



# Previews

## White Background



This preview shows how the XYZ color 70.5161, 84.5551, 107.2119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

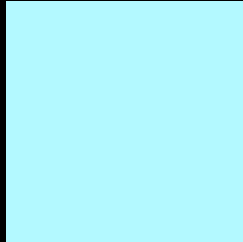
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5161, 84.5551, 107.2119 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 70.5161, 84.5551, 107.2119

## Background



This preview shows how black text looks on a background with the XYZ color 70.5161, 84.5551, 107.2119.



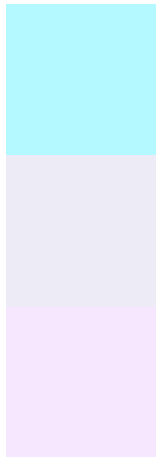
This preview shows how white text looks on a background with the XYZ color 70.5161, 84.5551,



# 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

70.5161, 84.5551, 107.2119

### Protanopia

81.2679, 84.0750, 99.1336

### Deuteranopia

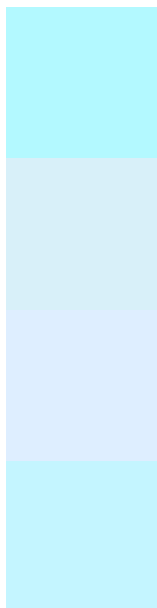
84.6319, 83.9647, 106.3540



## Tritanopia

75.5542, 84.4430, 106.9247

# Trichromacy



## Original Color

70.5161, 84.5551, 107.2119

## Protanomaly

76.5779, 83.7587, 101.7535

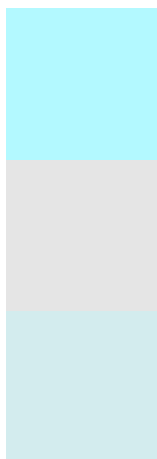
## Deuteranomaly

78.7487, 83.8987, 106.6513

## Tritanomaly

73.4674, 84.2606, 106.9995

# Monochromacy



## Original Color

70.5161, 84.5551, 107.2119

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

72.2920, 80.0128, 92.5227

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5161, 84.5551, 107.2119 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(179, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 249, 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(179, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5161, 84.5551, 107.2119 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(179, 249, 255) }
```



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

```
.border{ border-color:rgb(179, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(179, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5161, 84.5551, 107.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 249, 255) }
```

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

```
.background{ background-color: rgb(179,  
249, 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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