

# Converting Colors

XYZ(79.2457, 87.4298,  
150.0930)

Have a look what the booklet for  
XYZ(79.2457, 87.4298, 150.0930)  
contains.

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# Color

**XYZ(71.1458, 84.4221,  
107.1530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F8FF
RGB	183, 248, 255
RGB Percent	72%, 97%, 100%
CMY	0.2823, 0.0274, 0.0000
CMYK	0.28, 0.03, 0.00, 0.00
HSL	186°, 100%, 86%
HSV	186°, 28%, 100%
XYZ	71.1458, 84.4221, 107.1530
YIQ	229.3630, -40.9870, -11.6030

# Conversions

## Conversions Part 2

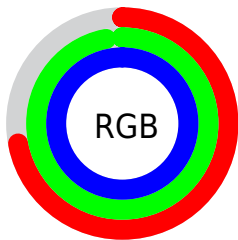
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 217, 255
Decimal	12056831
CIE <sub>Lab</sub>	93.63, -18.57, -9.91
CIE <sub>LCh</sub>	94, 21.054, 208.085
Yxy	84.4221, 0.2708, 0.3213
Android (android.graphics.Color)	4290246911 (0xFFB7F8FF)
YUV	229.3630, 12.6390, -40.6604
Hunter-Lab	91.8815, -22.5763, -4.8275

# Details

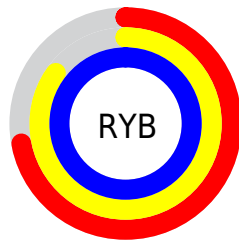
The XYZ color **71.1458, 84.4221, 107.1530** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.2007, 61.5052, 53.0786**, and the grayscale version is **74.6768, 78.5658, 85.5581**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **37.7259, 45.9280, 60.3027** is the 20% darker color. If you saturate the color by 10%, you get **64.8651, 80.0631, 106.6427**, and if you desaturate by 10%, it is **78.5398, 89.3743, 107.7192**.

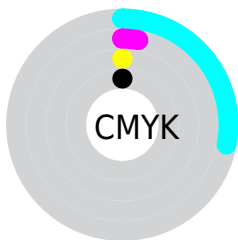
# Distribution



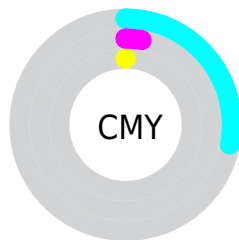
- Red (72%)
- Green (97%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1458, 84.4221, 107.1530 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 71.1458, 84.4221, 107.1530 by changing the saturation by 10% instead.



71.1458, 84.4221,  
107.1530

71.1458, 84.4221,  
107.1530

453.7669,  
509.7139, 604.3319

52.7442, 63.3640,  
81.6375

119.8587,  
139.5655, 173.0901

37.8252, 46.1357,  
60.5327

150.9006,  
174.4195, 214.3489

26.0237, 32.3529,  
43.4201

186.8867,  
214.6410, 261.6925

16.9741, 21.6312,  
29.8810

228.1823,  
260.6144, 315.5394

10.3112, 13.5862,  
19.4970

275.1528,  
312.7239, 376.3083

5.6696, 7.8334,  
11.8495

328.1635,

2.6840, 3.9885,

371.3541, 444.4177

6.5200

387.5797,  
436.8893, 520.2860

■ 0.9889, 1.6672,  
3.0899

■ 0.0000, 0.4023,  
1.1407

■ 71.1458, 84.4221,  
107.1530

■ 71.1458, 84.4221,  
107.1530

■ 64.8651, 80.0631,  
106.6427

■ 78.5398, 89.3743,  
107.7192

■ 59.6316, 76.2566,  
106.1838

■ 87.0953, 94.9382,  
108.3422

■ 55.3826, 72.9726,  
105.7739

95.0500, 100.0000,  
108.9000

■ 52.0456, 70.1735,  
105.4095

■ 49.5385, 67.8170,  
105.0868

■ 47.7639, 65.8527,  
104.8012

■ 46.5877, 64.2116,  
104.5464

■ 46.4092, 63.9384,  
104.5031

# Harmonies

## Analogous

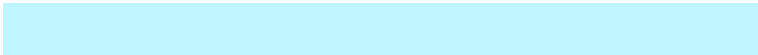
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9921, 84.4221, 90.8989



71.1458, 84.4221, 107.1530



74.7034, 84.4221, 120.5360

# Triad

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



71.1458, 84.4221, 107.1530



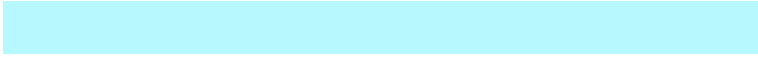
89.6929, 84.4221, 109.1338



80.5995, 84.4221, 64.5139

# Complementary

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



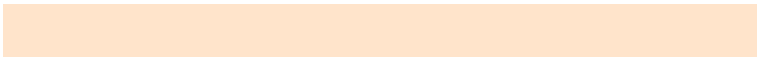
71.1458, 84.4221, 107.1530



68.2007, 61.5052, 53.0786

# 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.



86.0450, 84.4221, 68.2366



71.1458, 84.4221, 107.1530



91.4438, 84.4221, 92.9514

# Square

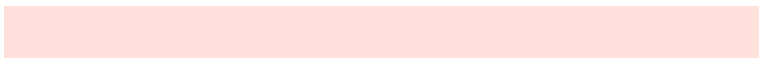
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1458, 84.4221, 107.1530



85.3964, 84.4221, 121.7696



90.0794, 84.4221, 78.2061



75.2968, 84.4221, 67.3987

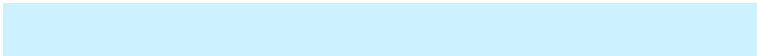


# Rectangle

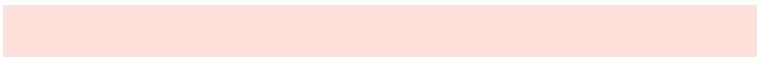
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1458, 84.4221, 107.1530



78.0468, 84.4221, 125.3688



90.0794, 84.4221, 78.2061



82.4753, 84.4221, 65.0243

# Sweetspot

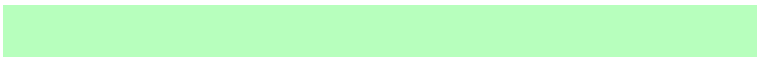
The Sweet Spot groups the original color and five complimentary colors.



71.1480, 84.4254, 107.1536



87.3100, 95.0760, 108.3575



64.4748, 85.2619, 61.2047



18.3951, 20.1619, 23.1721



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

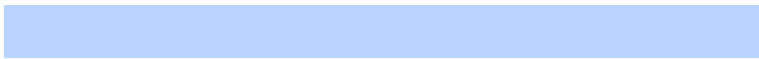
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1480, 84.4254, 107.1536



67.3937, 81.8404, 106.8525



61.3739, 64.8771, 103.8955



18.3951, 20.1619, 23.1721



24.3115, 33.5326, 54.6257



2.4091, 3.3489, 5.3327



# Inverse Universe

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



75.1181, 61.9059, 96.8007



72.0212, 56.0654, 94.6790



76.7131, 78.5302, 55.9161



18.7121, 18.2682, 22.3670



29.0595, 14.1131, 40.5595

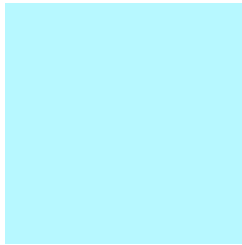


2.8506, 1.3826, 4.0606



# Previews

## White Background



This preview shows how the XYZ color 71.1458, 84.4221, 107.1530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

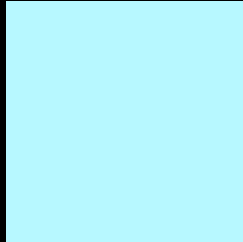
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1458, 84.4221, 107.1530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

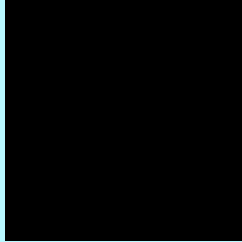
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.1458, 84.4221, 107.1530

## Background



This preview shows how black text looks on a background with the XYZ color 71.1458, 84.4221, 107.1530.



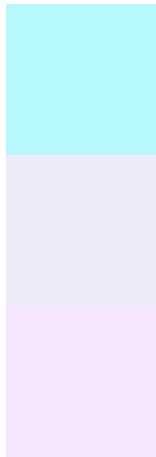
This preview shows how white text looks on a background with the XYZ color 71.1458, 84.4221,



# 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

71.1458, 84.4221, 107.1530

### Protanopia

81.4219, 84.1366, 99.9443

### Deuteranopia

84.6319, 83.9647, 106.3540



## Tritanopia

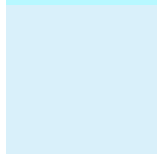
75.5343, 83.9897, 106.8383

# Trichromacy



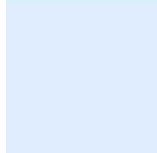
## Original Color

71.1458, 84.4221, 107.1530



## Protanomaly

77.0307, 83.9740, 102.5911



## Deuteranomaly

78.7656, 83.4763, 106.5689



## Tritanomaly

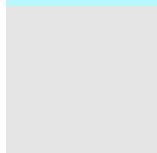
73.6894, 83.9271, 106.9235

# Monochromacy



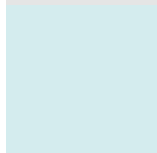
## Original Color

71.1458, 84.4221, 107.1530



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

72.5794, 80.1610, 92.5362

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1458, 84.4221, 107.1530 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(183, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1458, 84.4221, 107.1530 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(183, 248, 255) }
```



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

```
.border{ border-color:rgb(183, 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(183, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1458, 84.4221, 107.1530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 248, 255) }
```

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

```
.background{ background-color: rgb(183,  
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](#).

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