

# Converting Colors

XYZ(78.6329, 87.1186,  
142.9243)

Have a look what the booklet for  
XYZ(78.6329, 87.1186, 142.9243)  
contains.

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# Color

**XYZ(71.8043, 84.3063,  
107.0960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF7FF
RGB	187, 247, 255
RGB Percent	73%, 97%, 100%
CMY	0.2667, 0.0314, 0.0000
CMYK	0.27, 0.03, 0.00, 0.00
HSL	187°, 100%, 87%
HSV	187°, 27%, 100%
XYZ	71.8043, 84.3063, 107.0960
YIQ	229.9720, -38.3280, -10.2320

# Conversions

## Conversions Part 2

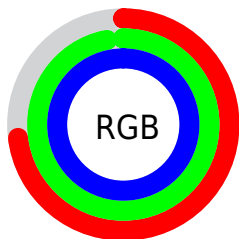
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 219, 255
Decimal	12318719
CIELab	93.58, -16.96, -9.96
CIElCh	94, 19.672, 210.429
Yxy	84.3063, 0.2728, 0.3203
Android (android.graphics.Color)	4290508799 (0xFFBBF7FF)
YUV	229.9720, 12.3388, -37.6864
Hunter-Lab	91.8185, -21.0909, -4.8823

# Details

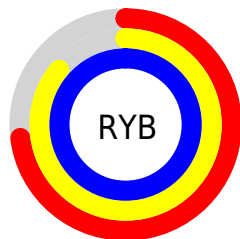
The XYZ color **71.8043, 84.3063, 107.0960** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7248, 63.8776, 55.6703**, and the grayscale version is **75.1269, 79.0394, 86.0739**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **38.3396, 46.2444, 60.3314** is the 20% darker color. If you saturate the color by 10%, you get **65.2022, 79.5546, 106.5268**, and if you desaturate by 10%, it is **79.5333, 89.6651, 107.7230**.

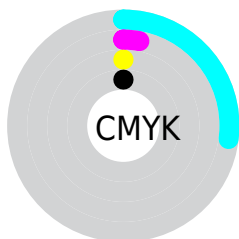
# Distribution



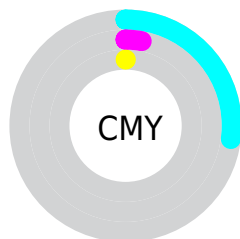
- Red (73%)
- Green (97%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8043, 84.3063, 107.0960 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 71.8043, 84.3063, 107.0960 by changing the saturation by 10% instead.



71.8043, 84.3063,  
107.0960

71.8043, 84.3063,  
107.0960

456.0284,  
509.3298, 604.1513

53.2837, 63.2684,  
81.5900

120.7906,  
139.4036, 173.0117

38.2577, 46.0583,  
60.4938

151.9870,  
174.2317, 214.2584

26.3609, 32.2919,  
43.3889

188.1393,  
214.4253, 261.5891

17.2279, 21.5845,  
29.8567

229.6130,  
260.3688, 315.4223

10.4934, 13.5519,  
19.4787

276.7734,  
312.4466, 376.1766

5.7921, 7.8097,  
11.8364

329.9859,

2.7585, 3.9734,

371.0431, 444.2705

6.5112

389.6157,  
436.5427, 520.1226

■ 1.0274, 1.6587,  
3.0846

■ 0.0000, 0.3967,  
1.1380

■ 71.8043, 84.3063,  
107.0960

■ 71.8043, 84.3063,  
107.0960

■ 65.2022, 79.5546,  
106.5268

■ 79.5333, 89.6651,  
107.7230

■ 59.6615, 75.3697,  
106.0111

■ 88.4368, 95.6492,  
108.4088

■ 55.1205, 71.7219,  
105.5463

95.0500, 100.0000,  
108.9000

■ 51.5081, 68.5744,  
105.1292

■ 48.7438, 65.8856,  
104.7559

■ 46.7330, 63.6066,  
104.4220

■ 45.3571, 61.6762,  
104.1219

■ 44.9795, 61.0790,  
104.0265

# Harmonies

## Analogous

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



70.5304, 84.3063, 92.0099



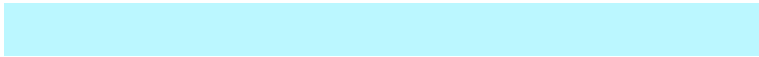
71.8043, 84.3063, 107.0960



75.2907, 84.3063, 119.0592

# Triad

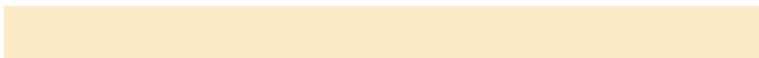
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8043, 84.3063, 107.0960



89.1573, 84.3063, 106.6848



80.0557, 84.3063, 66.0051

# Complementary

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



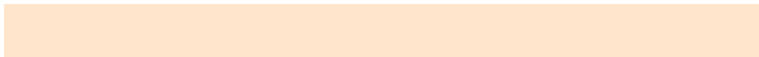
71.8043, 84.3063, 107.0960



69.7248, 63.8776, 55.6703

# 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.



85.1736, 84.3063, 69.0477



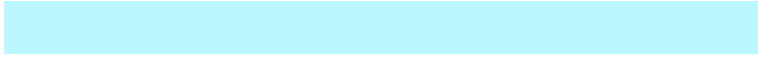
71.8043, 84.3063, 107.0960



90.5646, 84.3063, 91.5809

# Square

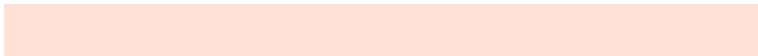
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



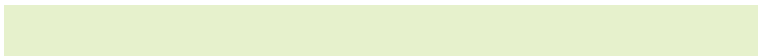
71.8043, 84.3063, 107.0960



85.3088, 84.3063, 118.8043



89.0769, 84.3063, 78.0260



75.1663, 84.3063, 69.2252

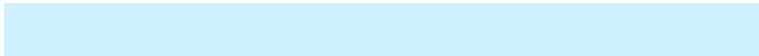


# Rectangle

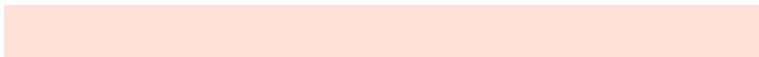
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8043, 84.3063, 107.0960



78.4774, 84.3063, 123.0706



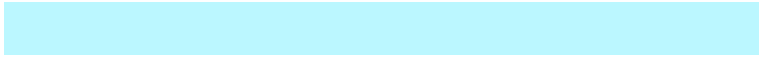
89.0769, 84.3063, 78.0260



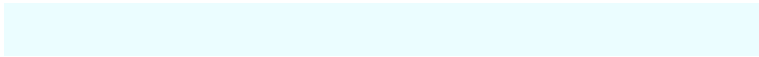
81.8069, 84.3063, 66.3254

# Sweetspot

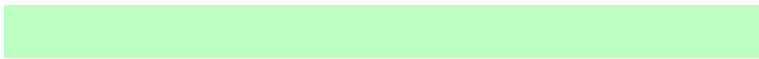
The Sweet Spot groups the original color and five complimentary colors.



71.8065, 84.3096, 107.0965



87.1786, 94.8132, 108.3137



66.0975, 86.0225, 64.7123



18.3618, 20.0952, 23.1609



0.0000, 0.0000, 0.0000

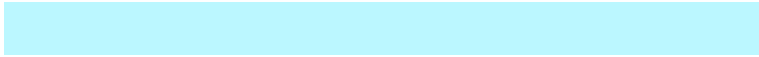


20.3446, 21.4041, 23.3091

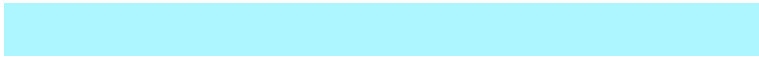


# Same Dimension

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



71.8065, 84.3096, 107.0965



68.1473, 81.7001, 106.7857



62.3559, 65.4083, 103.9463



18.3618, 20.0952, 23.1609



23.5752, 32.0600, 54.3802



2.3448, 3.2204, 5.3113



# Inverse Universe

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



75.8003, 63.5178, 96.2645



72.8038, 57.9181, 94.0529



78.2112, 80.8505, 58.4991



18.6953, 18.2614, 22.2784



28.6879, 13.9644, 38.6024

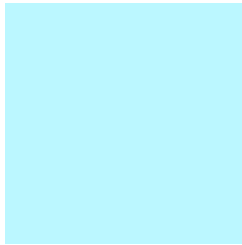


2.8182, 1.3696, 3.8899



# Previews

## White Background



This preview shows how the XYZ color 71.8043, 84.3063, 107.0960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

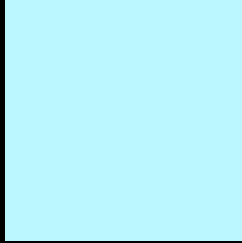
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8043, 84.3063, 107.0960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

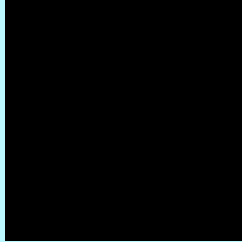
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.8043, 84.3063, 107.0960

## Background



This preview shows how black text looks on a background with the XYZ color 71.8043, 84.3063, 107.0960.



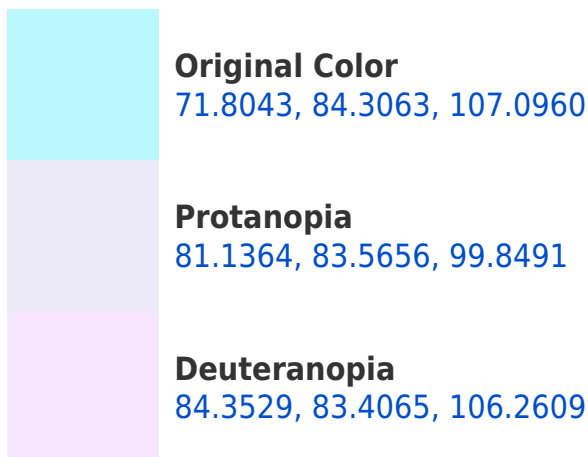
This preview shows how white text looks on a background with the XYZ color 71.8043, 84.3063,



# 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

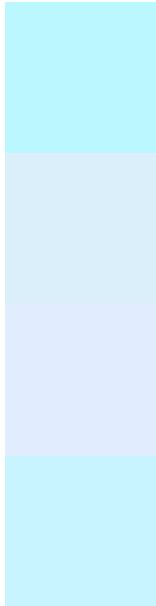




## **Tritanopia**

75.8146, 84.1342, 106.8514

# Trichromacy



## Original Color

71.8043, 84.3063, 107.0960

## Protanomaly

77.3352, 83.6952, 102.5213

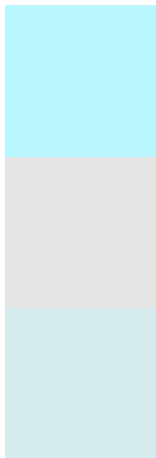
## Deuteranomaly

79.0968, 83.2185, 106.5017

## Tritanomaly

74.2201, 84.2007, 106.9483

# Monochromacy



## Original Color

71.8043, 84.3063, 107.0960

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.3070, 80.5190, 93.3394

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8043, 84.3063, 107.0960 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(187, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8043, 84.3063, 107.0960 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(187, 247, 255) }
```



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

```
.border{ border-color:rgb(187, 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(187, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8043, 84.3063, 107.0960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 247, 255) }
```

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

```
.background{ background-color: rgb(187,  
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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