

# Converting Colors

XYZ(70.8443, 85.3807,  
107.3540)

Have a look what the booklet for  
XYZ(70.8443, 85.3807, 107.3540)  
contains.

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# Color

**XYZ(70.8260, 85.1749,  
107.3152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FAFF
RGB	179, 250, 255
RGB Percent	70%, 98%, 100%
CMY	0.2980, 0.0196, 0.0000
CMYK	0.30, 0.02, 0.00, 0.00
HSL	184°, 100%, 85%
HSV	184°, 30%, 100%
XYZ	70.8260, 85.1749, 107.3152
YIQ	229.3410, -43.9210, -13.4970

# Conversions

## Conversions Part 2

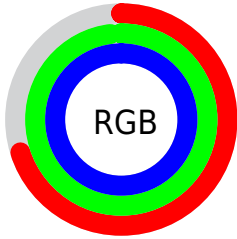
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 216, 255
Decimal	11795199
CIE Lab	93.96, -20.66, -9.45
CIE LCh	94, 22.716, 204.588
Yxy	85.1749, 0.2690, 0.3235
Android (android.graphics.Color)	4289985279 (0xFFB3FAFF)
YUV	229.3410, 12.6499, -44.1491
Hunter-Lab	92.2902, -24.5223, -4.3393

# Details

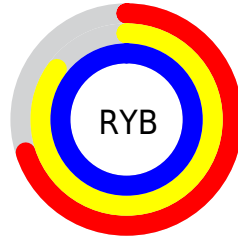
The XYZ color **70.8260, 85.1749, 107.3152** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5173, 58.7953, 50.4925**, and the grayscale version is **74.6620, 78.5503, 85.5413**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **37.4314, 46.4281, 60.4148** is the 20% darker color. If you saturate the color by 10%, you get **64.9506, 81.3784, 106.8921**, and if you desaturate by 10%, it is **77.8003, 89.5491, 107.7919**.

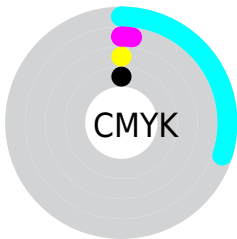
# Distribution



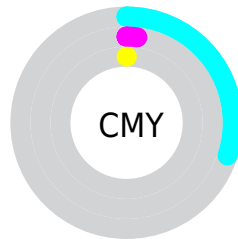
- Red (70%)
- Green (98%)
- Blue (100%)



- Red (70%)
- Yellow (85%)
- 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 70.8260, 85.1749, 107.3152 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 70.8260, 85.1749, 107.3152 by changing the saturation by 10% instead.



70.8260, 85.1749,  
107.3152

70.8260, 85.1749,  
107.3152

452.6663,  
512.2066, 604.8457

52.4822, 63.9859,  
81.7728

119.4058,  
140.6175, 173.3134

37.6154, 46.6393,  
60.6436

150.3725,  
175.6399, 214.6064

25.8602, 32.7506,  
43.5089

186.2777,  
216.0423, 261.9866

16.8512, 21.9354,  
29.9503

227.4865,  
262.2089, 315.8726

10.2231, 13.8095,  
19.5491

274.3644,  
314.5243, 376.6830

5.6105, 7.9883,  
11.8869

327.2768,

2.6481, 4.0874,

373.3728, 444.8363

6.5451

386.5889,  
439.1387, 520.7510

■ 0.9705, 1.7226,  
3.1052

■ 0.0000, 0.4382,  
1.1486

■ 70.8260, 85.1749,  
107.3152

■ 70.8260, 85.1749,  
107.3152

■ 64.9506, 81.3784,  
106.8921

■ 77.8003, 89.5491,  
107.7919

■ 60.1071, 78.1185,  
106.5181

■ 85.9223, 94.5197,  
108.3233

■ 56.2319, 75.3647,  
106.1908

95.0500, 100.0000,  
108.9000

■ 53.2513, 73.0788,  
105.9067

■ 51.0810, 71.2175,  
105.6618

■ 49.6208, 69.7290,  
105.4515

■ 48.7099, 68.5305,  
105.2682

■ 48.6940, 68.5080,  
105.2647

# Harmonies

## Analogous

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



69.9119, 85.1749, 89.6321



70.8260, 85.1749, 107.3152



74.3968, 85.1749, 122.6504

# Triad

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



70.8260, 85.1749, 107.3152



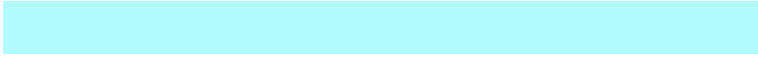
90.8185, 85.1749, 113.4304



82.0590, 85.1749, 63.3542

# Complementary

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



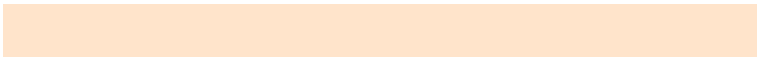
70.8260, 85.1749, 107.3152



66.5173, 58.7953, 50.4925

# 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.



87.8902, 85.1749, 68.1381



70.8260, 85.1749, 107.3152



93.1063, 85.1749, 95.9209

# Square

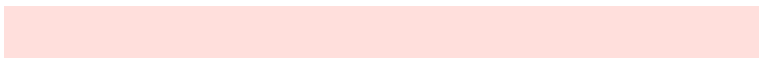
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8260, 85.1749, 107.3152



85.8968, 85.1749, 126.4779



92.0090, 85.1749, 79.5499



76.2087, 85.1749, 65.6099

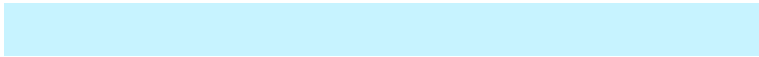


# Rectangle

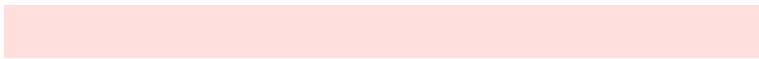
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8260, 85.1749, 107.3152



77.9019, 85.1749, 128.7344



92.0090, 85.1749, 79.5499



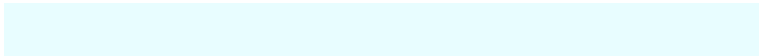
84.0893, 85.1749, 64.1723

# Sweetspot

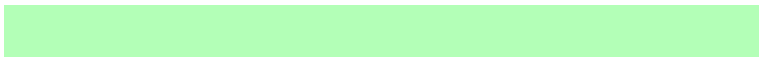
The Sweet Spot groups the original color and five complimentary colors.



70.8282, 85.1782, 107.3157



86.6256, 94.9454, 108.3684



62.8780, 84.5148, 57.6914



18.2698, 20.1577, 23.1778



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.



70.8282, 85.1782, 107.3157



67.0604, 82.7579, 107.0472



60.4863, 64.4943, 103.8684



18.4466, 20.2648, 23.1892



25.4873, 35.8842, 55.0176



2.5112, 3.5531, 5.3667



# Inverse Universe

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



74.6168, 60.4040, 98.1727



71.4663, 54.3629, 96.3210



75.1811, 76.1230, 53.3804



18.7381, 18.2785, 22.5039



29.6530, 14.3505, 43.6847

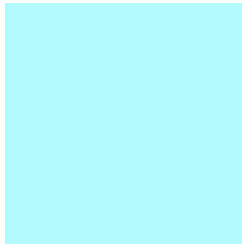


2.9021, 1.4032, 4.3321



# Previews

## White Background



This preview shows how the XYZ color 70.8260, 85.1749, 107.3152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

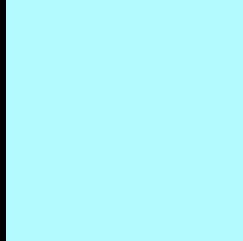
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8260, 85.1749, 107.3152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

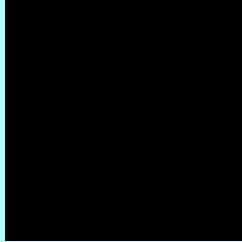
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.8260, 85.1749, 107.3152

## Background



This preview shows how black text looks on a background with the XYZ color 70.8260, 85.1749, 107.3152.



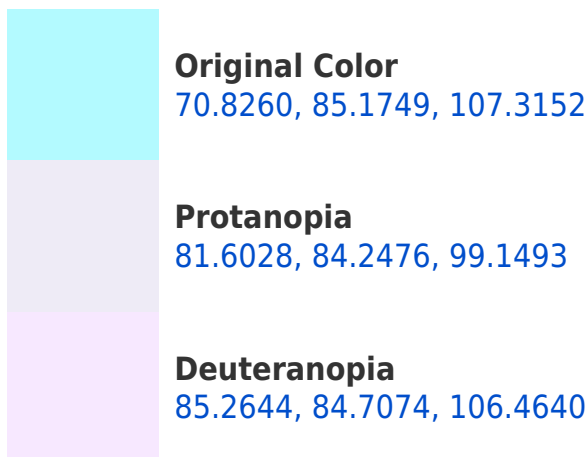
This preview shows how white text looks on a background with the XYZ color 70.8260, 85.1749,



# 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

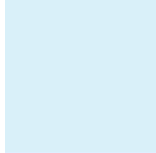
76.1130, 84.7311, 106.9509

# Trichromacy



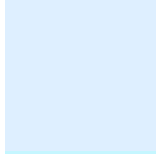
## Original Color

70.8260, 85.1749, 107.3152



## Protanomaly

76.8742, 83.9114, 101.7674



## Deuteranomaly

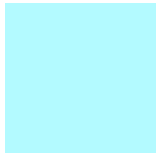
79.0407, 84.4826, 106.7486



## Tritanomaly

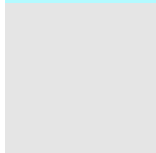
74.0317, 85.0019, 107.1129

# Monochromacy



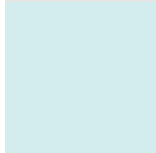
## Original Color

70.8260, 85.1749, 107.3152



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

72.5808, 80.5903, 92.6190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8260, 85.1749, 107.3152 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 250, 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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8260, 85.1749, 107.3152 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, 250, 255) }
```



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

```
.border{ border-color:rgb(179, 250, 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, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8260, 85.1749, 107.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 250, 255) }
```

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

```
.background{ background-color: rgb(179,  
250, 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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