

# Converting Colors

$Yxy(71.7531, 0.2768, 0.3113)$

Have a look what the booklet for  
Yxy(71.7531, 0.2768, 0.3113)  
contains.

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# Color

**Yxy(71.8483, 0.2766, 0.3110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE3F3
RGB	186, 227, 243
RGB Percent	73%, 89%, 95%
CMY	0.2704, 0.1098, 0.0472
CMYK	0.23, 0.07, 0.00, 0.05
HSL	197°, 70%, 84%
HSV	197°, 23%, 95%
XYZ	63.9011, 71.8483, 95.2741
YIQ	216.5650, -29.5720, -3.7160

# Conversions

## Conversions Part 2

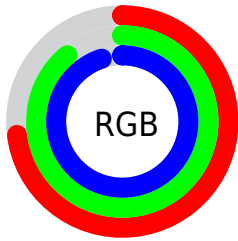
Format	Color
<b>R<sub>YB</sub></b>	186, 210, 243
Decimal	12248051
CIE <sub>Lab</sub>	87.90, -9.81, -12.16
CIE <sub>LCh</sub>	88, 15.624, 231.125
Yxy	71.8483, 0.2766, 0.3110
Android (android.graphics.Color)	4290438131 (0xFFBAE3F3)
YUV	216.5650, 13.0325, -26.8055
Hunter-Lab	84.7634, -13.7690, -7.3076

# Details

The Yxy color **71.8483, 0.2766, 0.3110** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8501, 0.3575, 0.3463**, and the grayscale version is **69.0054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **37.9984, 0.2684, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **65.4044, 0.2617, 0.3021**, and if you desaturate by 10%, it is **78.9632, 0.2919, 0.3192**.

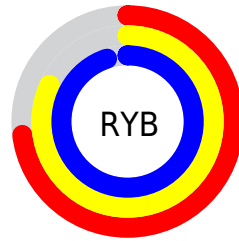
# Distribution



Red (73%)

Green (89%)

Blue (95%)



Red (73%)

Yellow (82%)

Blue (95%)

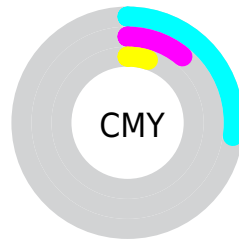


Cyan (23%)

Magenta (7%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (11%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8483, 0.2766, 0.3110 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 Yxy color 71.8483, 0.2766, 0.3110 by changing the saturation by 10% instead.



71.8483, 0.2766,  
0.3110

71.8483, 0.2766,  
0.3110

467.0134, 0.2932,  
0.3195

53.0348, 0.2729,  
0.3090

121.8408, 0.2823,  
0.3140

37.8305, 0.2683,  
0.3065

153.7886, 0.2845,  
0.3152

25.8512, 0.2625,  
0.3033

190.8833, 0.2865,  
0.3161

16.7123, 0.2550,  
0.2991

233.5092, 0.2881,  
0.3170

10.0296, 0.2449,  
0.2933

282.0508, 0.2896,  
0.3178

5.4186, 0.2306,  
0.2847

336.8924, 0.2909,

2.4949, 0.2090,

0.3184

0.2709

398.4185, 0.2921,  
0.3190

0.8741, 0.1674,  
0.2474

0.0000, 0.0000,  
0.0000

71.8483, 0.2766,  
0.3110

71.8483, 0.2766,  
0.3110

65.4044, 0.2617,  
0.3021

78.9632, 0.2919,  
0.3192

59.5950, 0.2477,  
0.2926

86.7664, 0.3074,  
0.3266

54.3929, 0.2348,  
0.2826

94.5306, 0.3202,  
0.3333

49.7648, 0.2235,  
0.2721

98.7885, 0.3197,  
0.3399

■ 45.6738, 0.2140,  
0.2615

■ 99.2496, 0.3197,  
0.3405

■ 42.0774, 0.2064,  
0.2508

■ 38.9240, 0.2009,  
0.2402

■ 37.0440, 0.1982,  
0.2333

# Harmonies

## Analogous

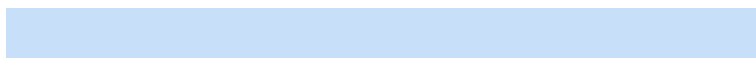
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8483, 0.2817, 0.3273



71.8483, 0.2766, 0.3110



71.8483, 0.2808, 0.3003

# Triad

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



71.8483, 0.2766, 0.3110



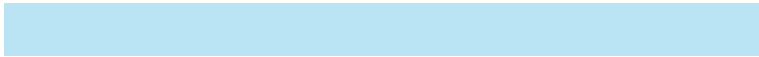
71.8483, 0.3303, 0.3139



71.8483, 0.3316, 0.3624

# Complementary

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



71.8483, 0.2766, 0.3110



64.8501, 0.3575, 0.3463

# 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.



71.8483, 0.3454, 0.3576



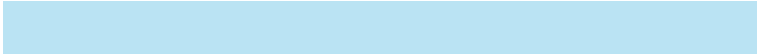
71.8483, 0.2766, 0.3110



71.8483, 0.3447, 0.3294

# Square

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



71.8483, 0.2766, 0.3110



71.8483, 0.3114, 0.3023



71.8483, 0.3502, 0.3453



71.8483, 0.3131, 0.3578



# Rectangle

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



71.8483, 0.2766, 0.3110



71.8483, 0.2884, 0.2974



71.8483, 0.3502, 0.3453



71.8483, 0.3370, 0.3618

# Sweetspot

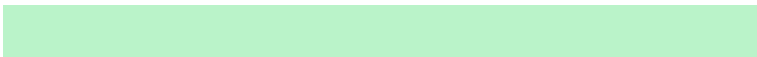
The Sweet Spot groups the original color and five complimentary colors.



71.8512, 0.2766, 0.3110



93.6154, 0.3019, 0.3240



78.7595, 0.3009, 0.3770



19.9236, 0.3009, 0.3236



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

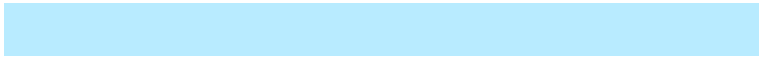


# Same Dimension

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



71.8512, 0.2766, 0.3110



76.7548, 0.2696, 0.3070



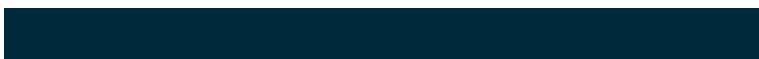
57.9131, 0.2740, 0.2787



17.9256, 0.2980, 0.3222



20.5750, 0.1986, 0.2350



1.9815, 0.2023, 0.2482



# Inverse Universe

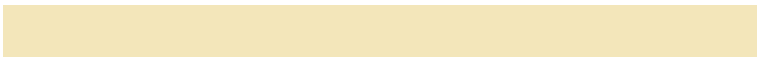
The Inverse Universe completely reimagines the original color for something new.



59.7334, 0.3277, 0.2862



61.3709, 0.3313, 0.2774



79.0201, 0.3511, 0.3747



16.6843, 0.3181, 0.3121



12.1764, 0.4075, 0.2018

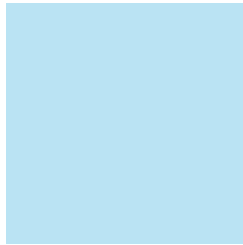


1.0877, 0.3940, 0.1944



# Previews

## White Background



This preview shows how the Yxy color 71.8483, 0.2766, 0.3110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

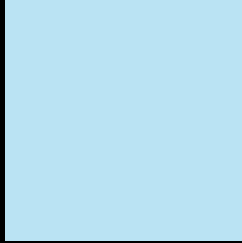
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8483, 0.2766, 0.3110 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](#).

**Yxy 71.8483, 0.2766, 0.3110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8483, 0.2766, 0.3110.

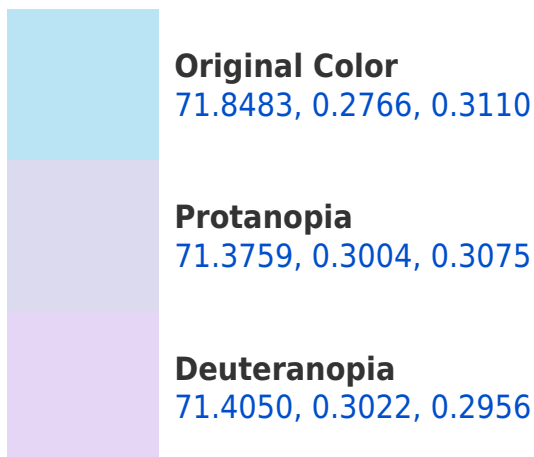


This preview shows how white text looks on a background with the Yxy color 71.8483, 0.2766, 0.3110.

# 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

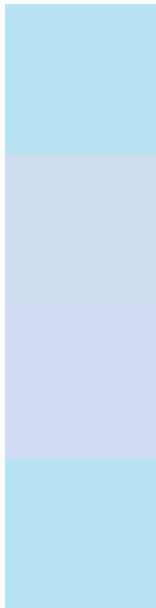




## Tritanopia

71.9698, 0.2755, 0.3088

# Trichromacy



**Original Color**

71.8483, 0.2766, 0.3110

**Protanomaly**

71.2696, 0.2911, 0.3082

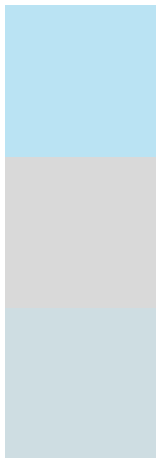
**Deuteranomaly**

71.4017, 0.2920, 0.3011

**Tritanomaly**

71.9089, 0.2760, 0.3099

# Monochromacy



**Original Color**

71.8483, 0.2766, 0.3110

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.3257, 0.2991, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8483, 0.2766, 0.3110 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(186, 227, 243)` looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 243)  
}
```

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(186, 227, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8483, 0.2766, 0.3110 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(186, 227, 243) }
```

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

```
.border{ border-color:rgb(186, 227, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 227, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 227, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 227, 243);  
box-shadow:4px 4px 4px 4px rgb(186, 227,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8483, 0.2766, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 227, 243) }
```

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

```
.background{ background-color: rgb(186,  
227, 243) }
```

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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