

# Converting Colors

Yxy(84.6130, 0.2732, 0.3328)

Have a look what the booklet for  
Yxy(84.6130, 0.2732, 0.3328)  
contains.

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# Color

**Yxy(84.6087, 0.2734, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3FAF6
RGB	179, 250, 246
RGB Percent	70%, 98%, 96%
CMY	0.2981, 0.0196, 0.0354
CMYK	0.28, 0.00, 0.02, 0.02
HSL	177°, 88%, 84%
HSV	177°, 28%, 98%
XYZ	69.4030, 84.6087, 99.8398
YIQ	228.3150, -41.0320, -16.2960

# Conversions

## Conversions Part 2

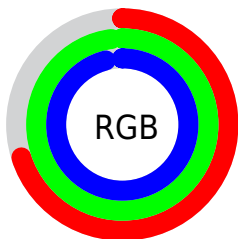
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 216, 250
Decimal	11795190
CIELab	93.71, -22.66, -5.14
CIELCh	94, 23.236, 192.780
Yxy	84.6087, 0.2734, 0.3333
Android (android.graphics.Color)	4289985270 (0xFFB3FAF6)
YUV	228.3150, 8.7187, -43.2493
Hunter-Lab	91.9830, -26.2884, 0.0338

# Details

The Yxy color **84.6087, 0.2734, 0.3333** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.9775, 0.3720, 0.3249**, and the grayscale version is **77.7808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **46.1427, 0.2648, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **81.8118, 0.2618, 0.3350**, and if you desaturate by 10%, it is **87.9531, 0.2864, 0.3317**.

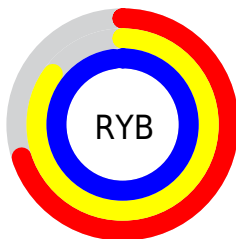
# Distribution



Red (70%)

Green (98%)

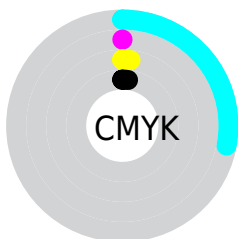
Blue (96%)



Red (70%)

Yellow (85%)

Blue (98%)

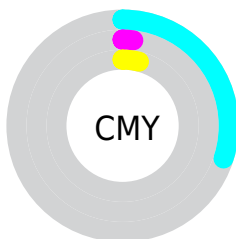


Cyan (28%)

Magenta (0%)

Yellow (2%)

Black (2%)



Cyan (30%)

Magenta (2%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6087, 0.2734, 0.3333 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 84.6087, 0.2734, 0.3333 by changing the saturation by 10% instead.




 84.6087, 0.2734,  
0.3333

 84.6087, 0.2734,  
0.3333


510.3324, 0.2909,  
0.3316

 63.5181, 0.2695,  
0.3336


 139.8263, 0.2794,  
0.3328

 46.2605, 0.2649,  
0.3340


174.7222, 0.2817,  
0.3325

 32.4514, 0.2590,  
0.3344


214.9886, 0.2838,  
0.3323

 21.7065, 0.2516,  
0.3349

261.0099, 0.2855,  
0.3322

 13.6414, 0.2418,  
0.3355

313.1705, 0.2871,  
0.3320

 7.8717, 0.2284,  
0.3360

371.8549, 0.2885,

 4.0130, 0.2088,

0.3319

437.4474, 0.2898,  
0.3317

0.3363

1.6808, 0.1778,  
0.3355

0.4112, 0.0000,  
0.3375

84.6087, 0.2734,  
0.3333

84.6087, 0.2734,  
0.3333

81.8118, 0.2618,  
0.3350

87.9531, 0.2864,  
0.3317

79.5230, 0.2518,  
0.3369

91.8617, 0.3004,  
0.3302

77.7137, 0.2436,  
0.3387

96.3633, 0.3151,  
0.3288

76.3483, 0.2373,  
0.3406

96.6454, 0.3149,  
0.3274

■ 75.3864, 0.2330,  
0.3426

■ 96.7356, 0.3141,  
0.3261

■ 74.7801, 0.2305,  
0.3445

■ 96.8266, 0.3132,  
0.3247

■ 74.4619, 0.2297,  
0.3463

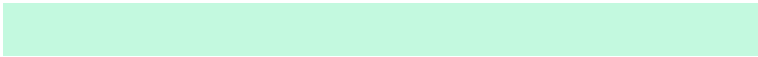
■ 96.8587, 0.3129,  
0.3243

■ 74.4232, 0.2296,  
0.3466

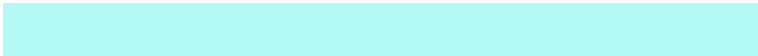
# Harmonies

## Analogous

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



84.6087, 0.2942, 0.3575



84.6087, 0.2734, 0.3333



84.6087, 0.2631, 0.3090

# Triad

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



84.6087, 0.2734, 0.3333



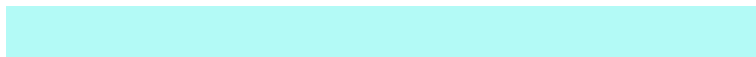
84.6087, 0.3032, 0.2891



84.6087, 0.3621, 0.3648

# Complementary

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



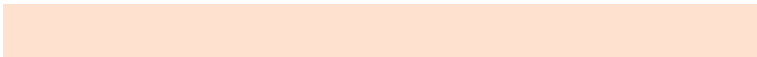
84.6087, 0.2734, 0.3333



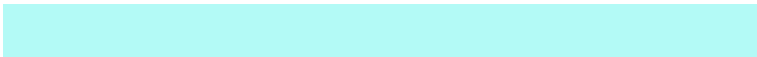
55.9775, 0.3720, 0.3249

# 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.



84.6087, 0.3651, 0.3454



84.6087, 0.2734, 0.3333



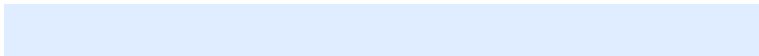
84.6087, 0.3302, 0.3028

# Square

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



84.6087, 0.2734, 0.3333



84.6087, 0.2797, 0.2848



84.6087, 0.3533, 0.3230

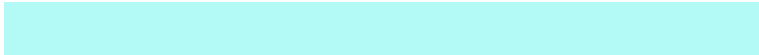


84.6087, 0.3455, 0.3756



# Rectangle

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



84.6087, 0.2734, 0.3333



84.6087, 0.2631, 0.2964



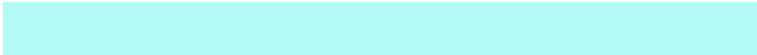
84.6087, 0.3533, 0.3230



84.6087, 0.3647, 0.3590

# Sweetspot

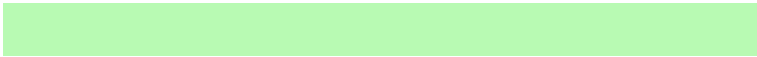
The Sweet Spot groups the original color and five complimentary colors.



84.6121, 0.2734, 0.3333



95.8204, 0.2995, 0.3303



81.7876, 0.3117, 0.4111



20.3751, 0.2974, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

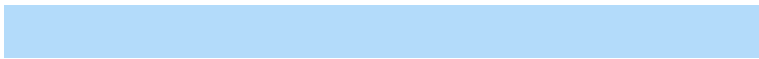
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6121, 0.2734, 0.3333



86.7844, 0.2667, 0.3343



67.2677, 0.2677, 0.2941



19.5906, 0.2988, 0.3303



39.4795, 0.2295, 0.3463



3.6615, 0.2289, 0.3441



# Inverse Universe

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



55.9775, 0.3720, 0.3249



52.4021, 0.3887, 0.3240



69.5548, 0.3666, 0.3614



17.2412, 0.3285, 0.3277



10.8040, 0.6343, 0.3268

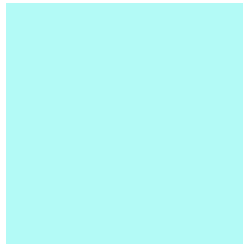


1.0061, 0.6203, 0.3191



# Previews

## White Background



This preview shows how the Yxy color 84.6087, 0.2734, 0.3333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

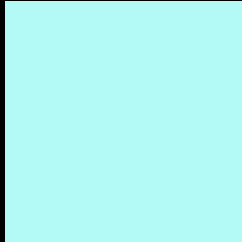
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6087, 0.2734, 0.3333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

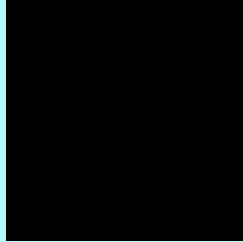
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.6087, 0.2734, 0.3333**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6087, 0.2734, 0.3333.

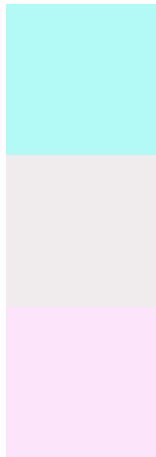


This preview shows how white text looks on a background with the Yxy color 84.6087, 0.2734, 0.3333.

# 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

84.6087, 0.2734, 0.3333

### Protanopia

84.0564, 0.3148, 0.3270

### Deuteranopia

83.6362, 0.3150, 0.3085



## Tritanopia

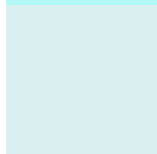
84.4430, 0.2831, 0.3164

# Trichromacy



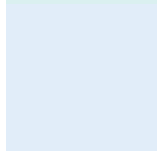
## Original Color

84.6087, 0.2734, 0.3333



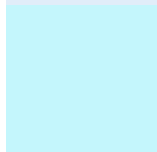
## Protanomaly

83.5169, 0.2986, 0.3290



## Deuteranomaly

83.4155, 0.2977, 0.3166



## Tritanomaly

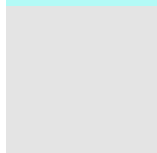
84.6756, 0.2792, 0.3225

# Monochromacy



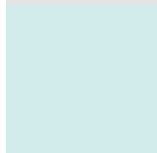
## Original Color

84.6087, 0.2734, 0.3333



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.6907, 0.2964, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6087, 0.2734, 0.3333 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(179, 250, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 250, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6087, 0.2734, 0.3333 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, 246) }
```

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

```
.border{ border-color:rgb(179, 250, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 250, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 250, 246);  
box-shadow:4px 4px 4px 4px rgb(179, 250,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6087, 0.2734, 0.3333 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, 246) }
```

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

```
.background{ background-color: rgb(179,  
250, 246) }
```

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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