

# Converting Colors

$Yxy(84.8654, 0.2729, 0.3369)$

Have a look what the booklet for  
Yxy(84.8654, 0.2729, 0.3369)  
contains.

<b>Yxy(84.7561, 0.2729, 0.3366)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.7561, 0.2729, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FBF4
RGB	176, 251, 244
RGB Percent	69%, 98%, 96%
CMY	0.3101, 0.0156, 0.0431
CMYK	0.30, 0.00, 0.03, 0.02
HSL	174°, 90%, 84%
HSV	174°, 30%, 98%
XYZ	68.7164, 84.7561, 98.3282
YIQ	227.7770, -42.4530, -18.0770

# Conversions

## Conversions Part 2

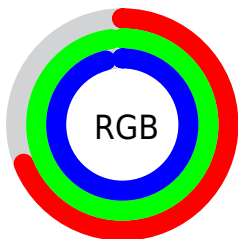
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 215, 251
Decimal	11598836
CIELab	93.78, -24.42, -4.04
CIELCh	94, 24.757, 189.402
Yxy	84.7561, 0.2729, 0.3366
Android (android.graphics.Color)	4289788916 (0xFFB0FBF4)
YUV	227.7770, 7.9979, -45.4084
Hunter-Lab	92.0631, -27.8770, 1.1193

# Details

The Yxy color **84.7561, 0.2729, 0.3366** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.9465, 0.3738, 0.3217**, and the grayscale version is **77.3649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **46.2794, 0.2644, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **81.9592, 0.2618, 0.3395**, and if you desaturate by 10%, it is **88.1026, 0.2853, 0.3339**.

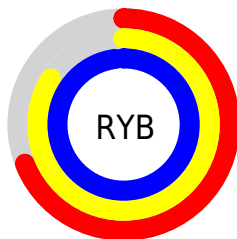
# Distribution



Red (69%)

Green (98%)

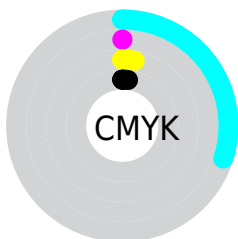
Blue (96%)



Red (69%)

Yellow (84%)

Blue (98%)

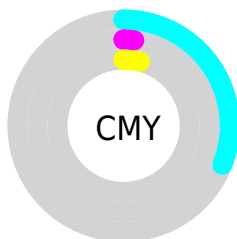


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (2%)



Cyan (31%)

Magenta (2%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7561, 0.2729, 0.3366 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 84.7561, 0.2729, 0.3366 by changing the saturation by 10% instead.




 84.7561, 0.2729,  
0.3366

 84.7561, 0.2729,  
0.3366


510.8207, 0.2907,  
0.3334

 63.6399, 0.2690,  
0.3373


 140.0324, 0.2789,  
0.3355

 46.3591, 0.2642,  
0.3381


174.9612, 0.2813,  
0.3351

 32.5293, 0.2583,  
0.3390


215.2630, 0.2834,  
0.3347

 21.7661, 0.2508,  
0.3402

261.3222, 0.2852,  
0.3344

 13.6851, 0.2409,  
0.3416

313.5232, 0.2868,  
0.3341

 7.9020, 0.2272,  
0.3435

372.2503, 0.2882,

 4.0323, 0.2072,

0.3338

0.3457

437.8880, 0.2895,  
0.3336

■ 1.6916, 0.1757,  
0.3482

■ 0.4182, 0.0000,  
0.3617

■ 84.7561, 0.2729,  
0.3366

■ 84.7561, 0.2729,  
0.3366

■ 81.9592, 0.2618,  
0.3395

■ 88.1026, 0.2853,  
0.3339

■ 79.6717, 0.2524,  
0.3426

■ 92.0159, 0.2987,  
0.3313

■ 77.8642, 0.2447,  
0.3458

■ 96.5253, 0.3128,  
0.3290

■ 76.5002, 0.2390,  
0.3490

■ 97.3837, 0.3138,  
0.3268

75.5379, 0.2352,  
0.3522

97.4874, 0.3129,  
0.3252

74.9274, 0.2333,  
0.3554

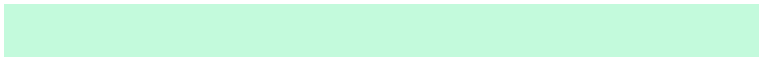
74.5874, 0.2330,  
0.3586

74.5850, 0.2330,  
0.3586

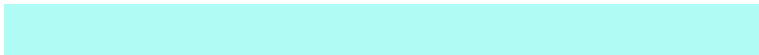
# Harmonies

## Analogous

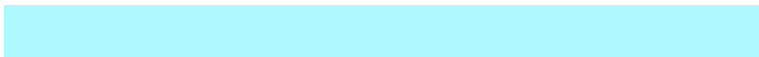
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7561, 0.2959, 0.3619



84.7561, 0.2729, 0.3366



84.7561, 0.2606, 0.3103

# Triad

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



84.7561, 0.2729, 0.3366



84.7561, 0.2994, 0.2856



84.7561, 0.3664, 0.3650

# Complementary

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



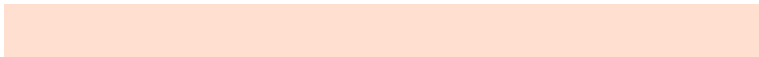
84.7561, 0.2729, 0.3366



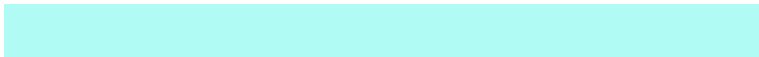
54.9465, 0.3738, 0.3217

# 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.



84.7561, 0.3679, 0.3436



84.7561, 0.2729, 0.3366



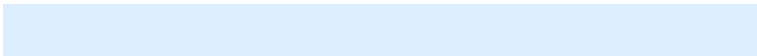
84.7561, 0.3281, 0.2991

# Square

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



84.7561, 0.2729, 0.3366



84.7561, 0.2753, 0.2823



84.7561, 0.3536, 0.3199

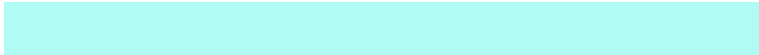


84.7561, 0.3501, 0.3780

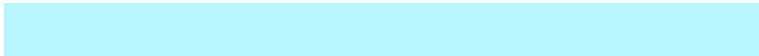


# Rectangle

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



84.7561, 0.2729, 0.3366



84.7561, 0.2596, 0.2962



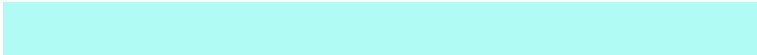
84.7561, 0.3536, 0.3199



84.7561, 0.3687, 0.3585

# Sweetspot

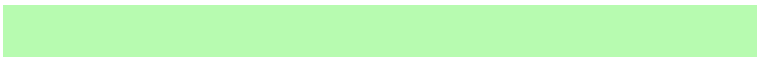
The Sweet Spot groups the original color and five complimentary colors.



84.7595, 0.2729, 0.3366



95.7669, 0.3000, 0.3311



82.2582, 0.3132, 0.4157



20.3618, 0.2979, 0.3314



0.0000, 0.0000, 0.0000

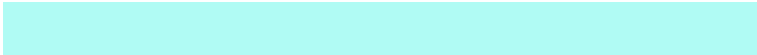


21.4041, 0.3127, 0.3290

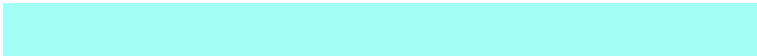


# Same Dimension

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



84.7595, 0.2729, 0.3366



86.0076, 0.2660, 0.3384



67.8881, 0.2656, 0.2949



19.5790, 0.2993, 0.3312



39.2093, 0.2328, 0.3581



3.6394, 0.2318, 0.3543



# Inverse Universe

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



54.9465, 0.3738, 0.3217



50.4954, 0.3919, 0.3202



67.7664, 0.3709, 0.3607



17.2515, 0.3279, 0.3268



10.8230, 0.6297, 0.3242

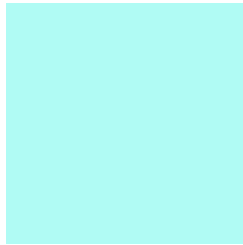


1.0110, 0.6084, 0.3125



# Previews

## White Background



This preview shows how the Yxy color 84.7561, 0.2729, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

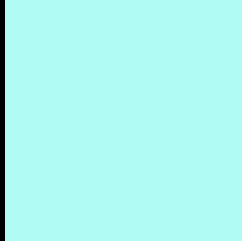
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7561, 0.2729, 0.3366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

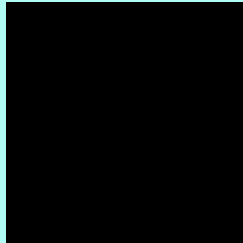
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.7561, 0.2729, 0.3366**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7561, 0.2729, 0.3366.

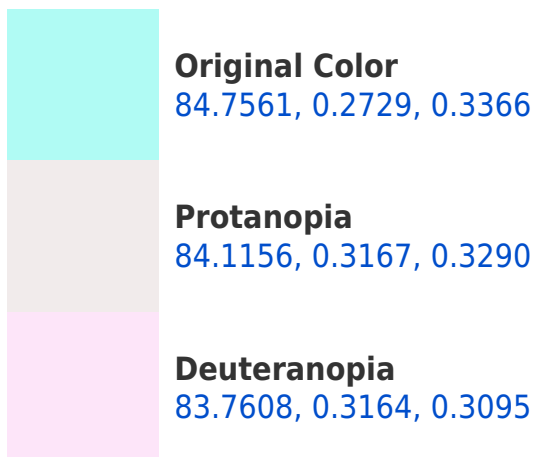


This preview shows how white text looks on a background with the Yxy color 84.7561, 0.2729, 0.3366.

# 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

84.4430, 0.2831, 0.3164

# Trichromacy



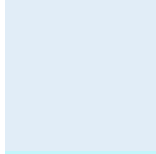
## Original Color

84.7561, 0.2729, 0.3366



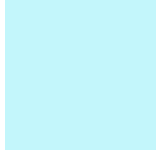
## Protanomaly

83.8354, 0.2991, 0.3321



## Deuteranomaly

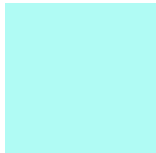
83.2913, 0.2989, 0.3187



## Tritanomaly

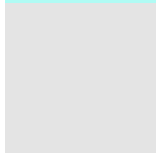
84.4787, 0.2791, 0.3236

# Monochromacy



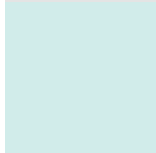
## Original Color

84.7561, 0.2729, 0.3366



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.4867, 0.2963, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7561, 0.2729, 0.3366 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(176, 251, 244)` looks like.

```
.text, #text, p{  
    color:rgb(176, 251, 244)  
}
```

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(176, 251, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 251, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7561, 0.2729, 0.3366 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(176, 251, 244) }
```

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

```
.border{ border-color:rgb(176, 251, 244) }
```

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

Here you see how a box with a 4 pixel rgb(176, 251, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 251, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 251, 244);  
box-shadow:4px 4px 4px 4px rgb(176, 251,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7561, 0.2729, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 251, 244) }
```

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

```
.background{ background-color: rgb(176,  
251, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor