

# Converting Colors

$Yxy(89.4435, 0.2764, 0.3437)$

Have a look what the booklet for  
Yxy(89.4435, 0.2764, 0.3437)  
contains.

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# Color

**Yxy(87.8754, 0.2759, 0.3408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFF4
RGB	181, 255, 244
RGB Percent	71%, 100%, 96%
CMY	0.2904, 0.0000, 0.0430
CMYK	0.29, 0.00, 0.04, 0.00
HSL	171°, 100%, 85%
HSV	171°, 29%, 100%
XYZ	71.1409, 87.8754, 98.8340
YIQ	231.6200, -40.5730, -19.1090

# Conversions

## Conversions Part 2

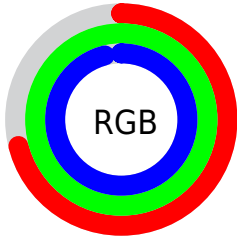
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 221, 255
Decimal	11927540
CIE <sub>Lab</sub>	95.11, -24.94, -2.08
CIE <sub>LCh</sub>	95, 25.029, 184.770
Yxy	87.8754, 0.2759, 0.3408
Android (android.graphics.Color)	4290117620 (0xFFB5FFF4)
YUV	231.6200, 6.1033, -44.3937
Hunter-Lab	93.7419, -28.5843, 3.1086

# Details

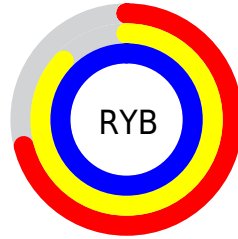
The Yxy color **87.8754, 0.2759, 0.3408** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.0884, 0.3679, 0.3177**, and the grayscale version is **80.3646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **48.4546, 0.2681, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **84.8405, 0.2652, 0.3455**, and if you desaturate by 10%, it is **91.4721, 0.2878, 0.3364**.

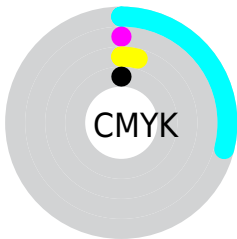
# Distribution



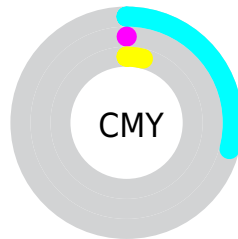
- Red (71%)
- Green (100%)
- Blue (96%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8754, 0.2759, 0.3408 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 87.8754, 0.2759, 0.3408 by changing the saturation by 10% instead.




 87.8754, 0.2759,  
0.3408

 87.8754, 0.2759,  
0.3408


521.0951, 0.2923,  
0.3356

 66.2199, 0.2723,  
0.3419


 144.3837, 0.2815,  
0.3391

 48.4509, 0.2680,  
0.3433


180.0052, 0.2837,  
0.3384

 34.1841, 0.2625,  
0.3449

221.0509, 0.2856,  
0.3378

 23.0351, 0.2557,  
0.3470

267.9051, 0.2872,  
0.3372

 14.6194, 0.2466,  
0.3497

320.9522, 0.2887,  
0.3368

 8.5527, 0.2342,  
0.3533

380.5767, 0.2900,

 4.4506, 0.2161,

0.3364

0.3584

447.1628, 0.2912,  
0.3360

1.9287, 0.1876,  
0.3659

0.5655, 0.0000,  
0.4262

87.8754, 0.2759,  
0.3408

87.8754, 0.2759,  
0.3408

84.8405, 0.2652,  
0.3455

91.4721, 0.2878,  
0.3364

82.3470, 0.2561,  
0.3504

95.6695, 0.3006,  
0.3323

80.3576, 0.2486,  
0.3556

100.0000, 0.3127,  
0.3290

78.8346, 0.2431,  
0.3609

■ 77.7353, 0.2396,  
0.3662

■ 77.0084, 0.2380,  
0.3715

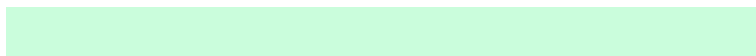
■ 76.5787, 0.2381,  
0.3767

■ 76.5440, 0.2381,  
0.3772

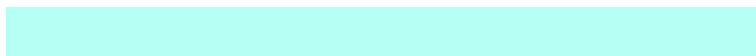
# Harmonies

## Analogous

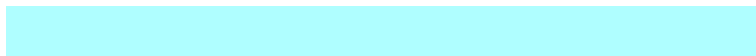
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8754, 0.3001, 0.3651



87.8754, 0.2759, 0.3408



87.8754, 0.2617, 0.3141

# Triad

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



87.8754, 0.2759, 0.3408



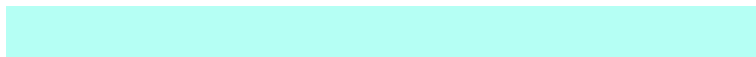
87.8754, 0.2952, 0.2844



87.8754, 0.3676, 0.3621

# Complementary

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



87.8754, 0.2759, 0.3408



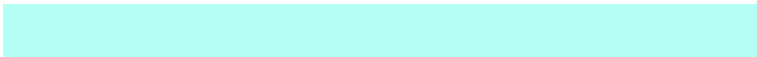
58.0884, 0.3679, 0.3177

# 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.



87.8754, 0.3666, 0.3400



87.8754, 0.2759, 0.3408



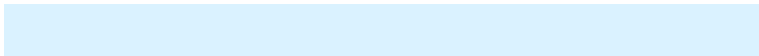
87.8754, 0.3237, 0.2965

# Square

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



87.8754, 0.2759, 0.3408



87.8754, 0.2724, 0.2829



87.8754, 0.3502, 0.3164

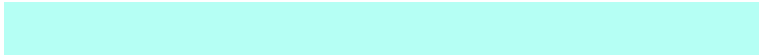


87.8754, 0.3534, 0.3767



# Rectangle

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



87.8754, 0.2759, 0.3408



87.8754, 0.2594, 0.2991



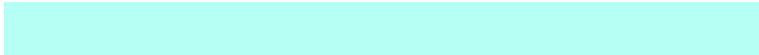
87.8754, 0.3502, 0.3164



87.8754, 0.3691, 0.3552

# Sweetspot

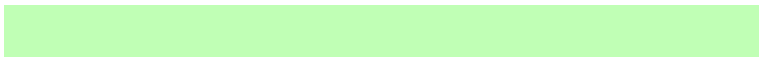
The Sweet Spot groups the original color and five complimentary colors.



87.8719, 0.2759, 0.3408



95.6874, 0.3006, 0.3323



86.0679, 0.3154, 0.4123



20.3421, 0.2987, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

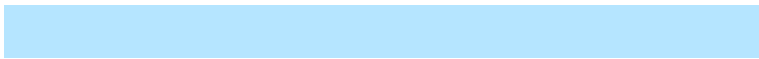
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8719, 0.2759, 0.3408



85.9985, 0.2694, 0.3436



73.1216, 0.2674, 0.3002



20.4325, 0.3000, 0.3325



40.0135, 0.2379, 0.3763



3.9080, 0.2362, 0.3703



# Inverse Universe

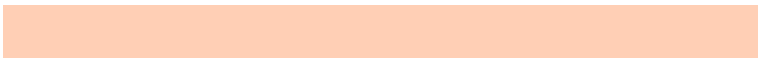
The Inverse Universe completely reimagines the original color for something new.



58.0884, 0.3679, 0.3177



51.6944, 0.3841, 0.3153



69.1551, 0.3699, 0.3560



18.0309, 0.3271, 0.3255



11.1941, 0.6202, 0.3190

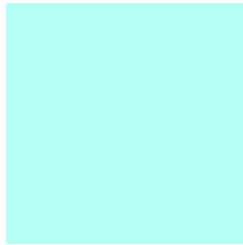


1.1023, 0.5935, 0.3043



# Previews

## White Background



This preview shows how the Yxy color 87.8754, 0.2759, 0.3408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

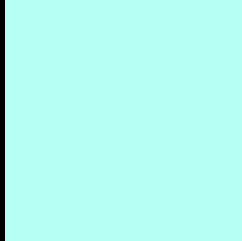
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.8754, 0.2759, 0.3408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

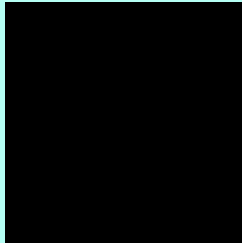
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.8754, 0.2759, 0.3408**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.8754, 0.2759, 0.3408.

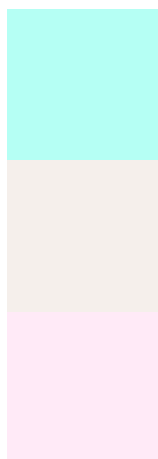


This preview shows how white text looks on a background with the Yxy color 87.8754, 0.2759, 0.3408.

# 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

87.8754, 0.2759, 0.3408

### Protanopia

87.1436, 0.3192, 0.3330

### Deuteranopia

86.8210, 0.3187, 0.3164



## Tritanopia

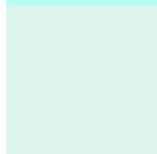
87.2765, 0.2896, 0.3187

# Trichromacy



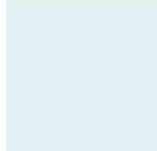
## Original Color

87.8754, 0.2759, 0.3408



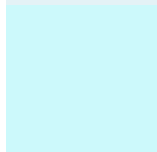
## Protanomaly

87.0075, 0.3022, 0.3362



## Deuteranomaly

86.6521, 0.3014, 0.3249



## Tritanomaly

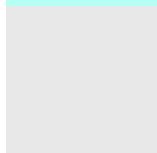
87.5538, 0.2844, 0.3268

# Monochromacy



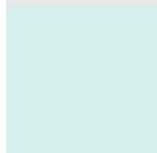
## Original Color

87.8754, 0.2759, 0.3408



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.5224, 0.2977, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.8754, 0.2759, 0.3408 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(181, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 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(181, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 87.8754, 0.2759, 0.3408 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(181, 255, 244) }
```

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

```
.border{ border-color:rgb(181, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(181, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.8754, 0.2759, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 244) }
```

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

```
.background{ background-color: rgb(181,  
255, 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](#).

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