

# Converting Colors

Yxy(87.0465, 0.2683, 0.3349)

Have a look what the booklet for  
Yxy(87.0465, 0.2683, 0.3349)  
contains.

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# Color

**Yxy(87.0175, 0.2685, 0.3354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABFFF9
RGB	171, 255, 249
RGB Percent	67%, 100%, 98%
CMY	0.3293, 0.0000, 0.0234
CMYK	0.33, 0.00, 0.02, 0.00
HSL	176°, 100%, 84%
HSV	176°, 33%, 100%
XYZ	69.6607, 87.0175, 102.7657
YIQ	229.2000, -48.1380, -19.6740

# Conversions

## Conversions Part 2

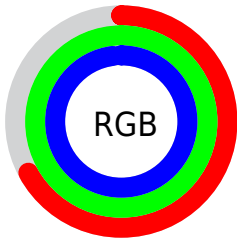
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 215, 255
Decimal	11272185
CIELab	94.75, -26.55, -5.24
CIElCh	95, 27.062, 191.167
Yxy	87.0175, 0.2685, 0.3354
Android (android.graphics.Color)	4289462265 (0xFFABFFF9)
YUV	229.2000, 9.7614, -51.0414
Hunter-Lab	93.2832, -29.9478, -0.0188

# Details

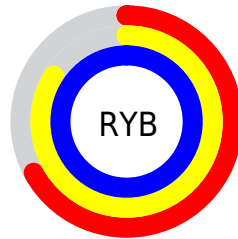
The Yxy color **87.0175, 0.2685, 0.3354** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.5714, 0.3842, 0.3229**, and the grayscale version is **78.4703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **47.8833, 0.2588, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **84.3150, 0.2577, 0.3376**, and if you desaturate by 10%, it is **90.2804, 0.2807, 0.3333**.

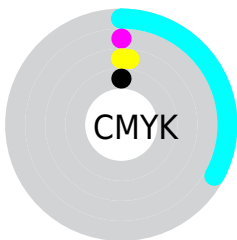
# Distribution



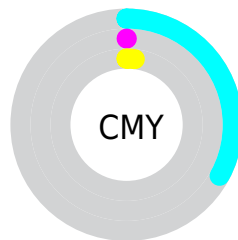
- Red (67%)
- Green (100%)
- Blue (98%)



- Red (67%)
- Yellow (84%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0175, 0.2685, 0.3354 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 87.0175, 0.2685, 0.3354 by changing the saturation by 10% instead.





 87.0175, 0.2685,  
0.3354

 87.0175, 0.2685,  
0.3354


518.2804, 0.2881,  
0.3328

 65.5097, 0.2642,  
0.3359


 143.1885, 0.2751,  
0.3346

 47.8745, 0.2590,  
0.3365


178.6205, 0.2778,  
0.3342

 33.7275, 0.2526,  
0.3372


219.4627, 0.2800,  
0.3339

 22.6843, 0.2444,  
0.3380

266.0995, 0.2821,  
0.3337

 14.3606, 0.2338,  
0.3390

318.9153, 0.2838,  
0.3334

 8.3719, 0.2192,  
0.3400

378.2944, 0.2854,

 4.3338, 0.1982,

0.3332

0.3410

444.6213, 0.2868,  
0.3330

1.8620, 0.1658,  
0.3412

0.5254, 0.0000,  
0.3589

87.0175, 0.2685,  
0.3354

87.0175, 0.2685,  
0.3354

84.3150, 0.2577,  
0.3376

90.2804, 0.2807,  
0.3333

82.1307, 0.2486,  
0.3400


94.1226, 0.2942,  
0.3313


80.4327, 0.2413,  
0.3424


98.5748, 0.3084,  
0.3295

79.1818, 0.2361,  
0.3448

99.9985, 0.3127,  
0.3290

 78.3323, 0.2327,  
0.3472

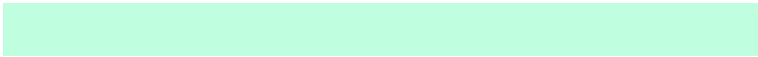
 77.8288, 0.2312,  
0.3496

 77.6247, 0.2309,  
0.3513

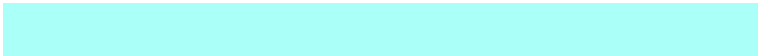
# Harmonies

## Analogous

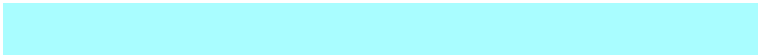
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0175, 0.2927, 0.3634



87.0175, 0.2685, 0.3354



87.0175, 0.2560, 0.3071

# Triad

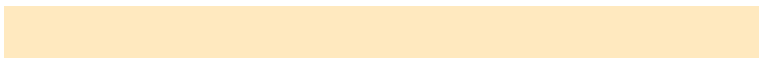
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0175, 0.2685, 0.3354



87.0175, 0.3000, 0.2827



87.0175, 0.3703, 0.3689

# Complementary

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



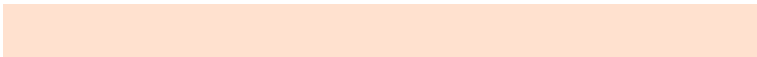
87.0175, 0.2685, 0.3354



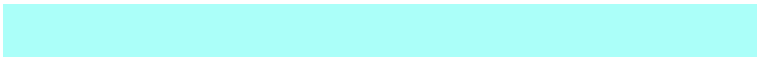
53.5714, 0.3842, 0.3229

# 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.



87.0175, 0.3729, 0.3461



87.0175, 0.2685, 0.3354



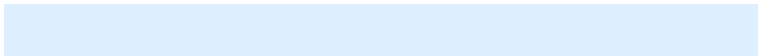
87.0175, 0.3312, 0.2979

# Square

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



87.0175, 0.2685, 0.3354



87.0175, 0.2735, 0.2785



87.0175, 0.3584, 0.3205

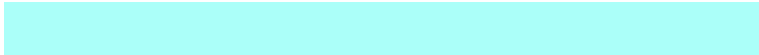


87.0175, 0.3517, 0.3825



# Rectangle

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



87.0175, 0.2685, 0.3354



87.0175, 0.2556, 0.2923



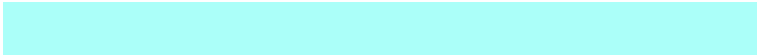
87.0175, 0.3584, 0.3205



87.0175, 0.3731, 0.3620

# Sweetspot

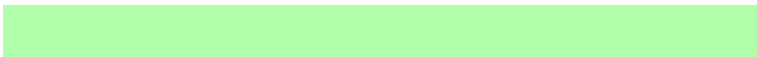
The Sweet Spot groups the original color and five complimentary colors.



87.0210, 0.2685, 0.3354



95.3641, 0.2983, 0.3308



83.9282, 0.3122, 0.4262



20.2831, 0.2963, 0.3310



0.0000, 0.0000, 0.0000

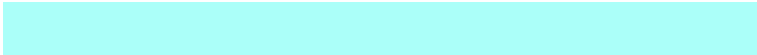


21.4041, 0.3127, 0.3290

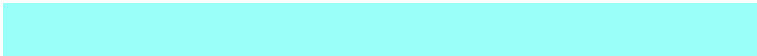


# Same Dimension

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



87.0210, 0.2685, 0.3354



85.0537, 0.2607, 0.3370



67.0736, 0.2607, 0.2893



20.4578, 0.2990, 0.3307



40.5709, 0.2308, 0.3509



3.9567, 0.2301, 0.3482



# Inverse Universe

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



53.5714, 0.3842, 0.3229



46.5895, 0.4073, 0.3216



68.3517, 0.3778, 0.3655



18.0080, 0.3283, 0.3273



11.1395, 0.6328, 0.3259

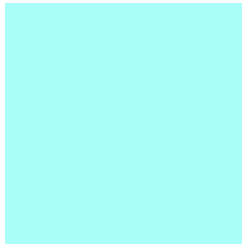


1.0916, 0.6165, 0.3170



# Previews

## White Background



This preview shows how the Yxy color 87.0175, 0.2685, 0.3354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

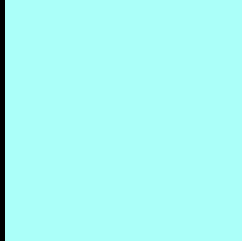
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.0175, 0.2685, 0.3354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

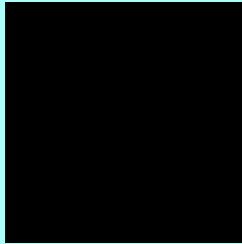
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.0175, 0.2685, 0.3354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.0175, 0.2685, 0.3354.

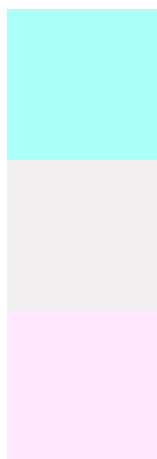


This preview shows how white text looks on a background with the Yxy color 87.0175, 0.2685, 0.3354.

# 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

87.0175, 0.2685, 0.3354

### Protanopia

86.4358, 0.3154, 0.3280

### Deuteranopia

86.1290, 0.3144, 0.3077



## Tritanopia

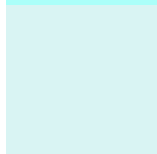
86.5219, 0.2867, 0.3186

# Trichromacy



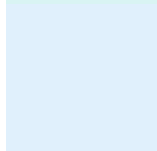
## Original Color

87.0175, 0.2685, 0.3354



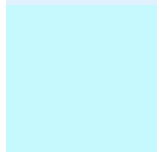
## Protanomaly

85.9241, 0.2963, 0.3300



## Deuteranomaly

85.1957, 0.2954, 0.3167



## Tritanomaly

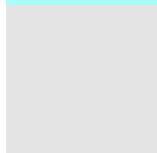
86.7135, 0.2794, 0.3247

# Monochromacy



## Original Color

87.0175, 0.2685, 0.3354



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.6151, 0.2946, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.0175, 0.2685, 0.3354 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(171, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 249)  
}
```

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(171, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 87.0175, 0.2685, 0.3354 is called "border". The border property can be set on classes, ids or directly on the HTML element.

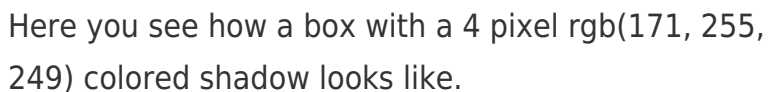
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 255, 249) }
```

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

```
.border{ border-color:rgb(171, 255, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 249); box-shadow:4px 4px 4px 4px rgb(171, 255, 249) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.0175, 0.2685, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 249) }
```

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

```
.background{ background-color: rgb(171,  
255, 249) }
```

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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