

# Converting Colors

Yxy(84.5955, 0.2547, 0.3309)

Have a look what the booklet for  
Yxy(84.5955, 0.2547, 0.3309)  
contains.

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# Color

**Yxy(84.6316, 0.2549, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91FFFD
RGB	145, 255, 253
RGB Percent	57%, 100%, 99%
CMY	0.4317, 0.0000, 0.0079
CMYK	0.43, 0.00, 0.01, 0.00
HSL	179°, 100%, 78%
HSV	179°, 43%, 100%
XYZ	65.1543, 84.6316, 105.8215
YIQ	221.8820, -64.9180, -23.9420

# Conversions

## Conversions Part 2

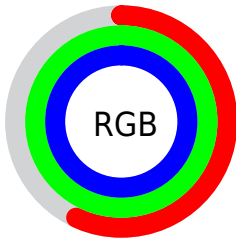
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 201, 255
Decimal	9568253
CIELab	93.72, -32.08, -8.93
CIELCh	94, 33.304, 195.550
Yxy	84.6316, 0.2549, 0.3311
Android (android.graphics.Color)	4287758333 (0xFF91FFFD)
YUV	221.8820, 15.3412, -67.4255
Hunter-Lab	91.9954, -34.5722, -3.8039

# Details

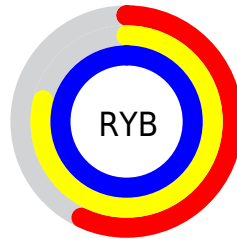
The Yxy color **84.6316, 0.2549, 0.3311** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.5908, 0.4250, 0.3272**, and the grayscale version is **72.8643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **46.3050, 0.2429, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **82.5334, 0.2454, 0.3316**, and if you desaturate by 10%, it is **87.2340, 0.2661, 0.3305**.

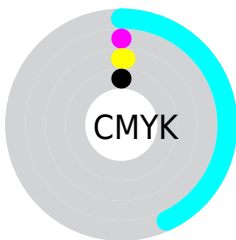
# Distribution



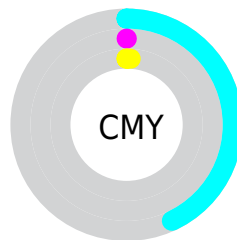
- Red (57%)
- Green (100%)
- Blue (99%)



- Red (57%)
- Yellow (79%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6316, 0.2549, 0.3311 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 84.6316, 0.2549, 0.3311 by changing the saturation by 10% instead.



 84.6316, 0.2549,  
0.3311


 84.6316, 0.2549,  
0.3311


510.4083, 0.2805,  
0.3307

 63.5370, 0.2493,  
0.3311


 139.8584, 0.2635,  
0.3311

 46.2758, 0.2426,  
0.3310


 174.7593, 0.2670,  
0.3310

 32.4635, 0.2343,  
0.3308


215.0312, 0.2700,  
0.3310

 21.7158, 0.2238,  
0.3303

261.0584, 0.2726,  
0.3309

 13.6482, 0.2101,  
0.3295

313.2253, 0.2749,  
0.3309

 7.8764, 0.1916,  
0.3279

371.9163, 0.2770,

 4.0160, 0.1655,

0.3308

437.5158, 0.2788,  
0.3308

0.3244

1.6825, 0.1245,  
0.3169

0.4123, 0.0000,  
0.2768

84.6316, 0.2549,  
0.3311

84.6316, 0.2549,  
0.3311

82.5334, 0.2454,  
0.3316

87.2340, 0.2661,  
0.3305

80.9276, 0.2379,  
0.3322

90.3958, 0.2789,  
0.3300

79.7668, 0.2323,  
0.3328

94.1388, 0.2929,  
0.3296

79.0051, 0.2287,  
0.3334

98.4902, 0.3078,  
0.3291

■ 78.5870, 0.2268,  
0.3340

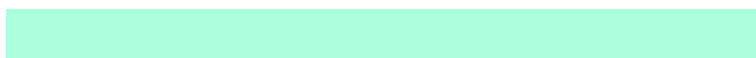
100.0000, 0.3127,  
0.3290

■ 78.4439, 0.2262,  
0.3344

# Harmonies

## Analogous

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



84.6316, 0.2827, 0.3676



84.6316, 0.2549, 0.3311



84.6316, 0.2424, 0.2968

# Triad

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



84.6316, 0.2549, 0.3311



84.6316, 0.3021, 0.2744



84.6316, 0.3818, 0.3812

# Complementary

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



84.6316, 0.2549, 0.3311



43.5908, 0.4250, 0.3272

# 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.



84.6316, 0.3886, 0.3539



84.6316, 0.2549, 0.3311



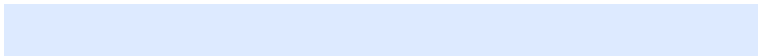
84.6316, 0.3410, 0.2944

# Square

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



84.6316, 0.2549, 0.3311



84.6316, 0.2683, 0.2669



84.6316, 0.3734, 0.3227



84.6316, 0.3561, 0.3966



# Rectangle

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



84.6316, 0.2549, 0.3311



84.6316, 0.2436, 0.2801



84.6316, 0.3734, 0.3227



84.6316, 0.3865, 0.3730

# Sweetspot

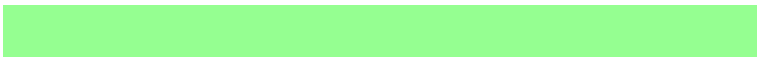
The Sweet Spot groups the original color and five complimentary colors.



84.6238, 0.2549, 0.3311



94.2070, 0.2931, 0.3296



79.9129, 0.3084, 0.4633



19.9759, 0.2899, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

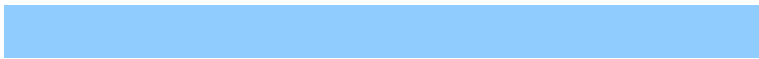
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6238, 0.2549, 0.3311



82.7520, 0.2464, 0.3316



56.2423, 0.2436, 0.2675



20.4754, 0.2983, 0.3294



40.9913, 0.2262, 0.3343



3.9929, 0.2260, 0.3336



# Inverse Universe

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



43.5908, 0.4250, 0.3272



36.7536, 0.4621, 0.3270



62.9131, 0.4022, 0.3825



17.9924, 0.3292, 0.3286



11.1165, 0.6382, 0.3290

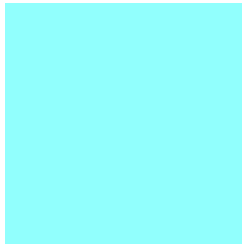


1.0842, 0.6338, 0.3265



# Previews

## White Background



This preview shows how the Yxy color 84.6316, 0.2549, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

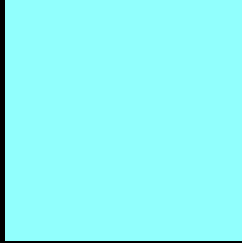
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6316, 0.2549, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

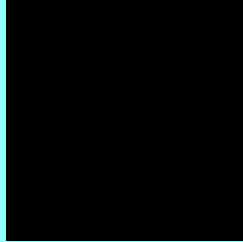
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.6316, 0.2549, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6316, 0.2549, 0.3311.

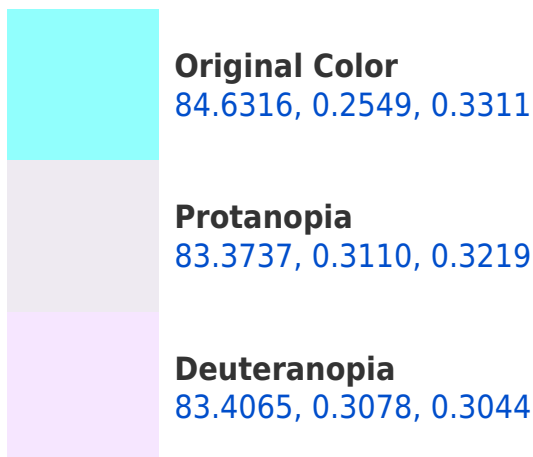


This preview shows how white text looks on a background with the Yxy color 84.6316, 0.2549, 0.3311.

# 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

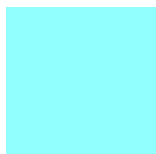




## Tritanopia

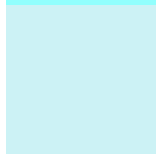
83.9271, 0.2786, 0.3173

# Trichromacy



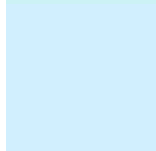
## Original Color

84.6316, 0.2549, 0.3311



## Protanomaly

82.9342, 0.2872, 0.3257



## Deuteranomaly

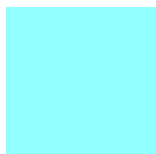
82.4441, 0.2851, 0.3132



## Tritanomaly

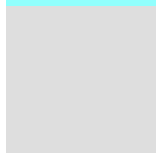
83.8743, 0.2692, 0.3224

# Monochromacy



## Original Color

84.6316, 0.2549, 0.3311



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.1982, 0.2875, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6316, 0.2549, 0.3311 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(145, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 253)  
}
```

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(145, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6316, 0.2549, 0.3311 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(145, 255, 253) }
```

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

```
.border{ border-color:rgb(145, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6316, 0.2549, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 253) }
```

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

```
.background{ background-color: rgb(145,  
255, 253) }
```

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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