

# Converting Colors

$Yxy(83.7079, 0.2569, 0.3257)$

Have a look what the booklet for  
Yxy(83.7079, 0.2569, 0.3257)  
contains.

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# Color

**Yxy(83.6131, 0.2569, 0.3255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FCFF
RGB	153, 252, 255
RGB Percent	60%, 99%, 100%
CMY	0.4002, 0.0117, 0.0000
CMYK	0.40, 0.01, 0.00, 0.00
HSL	182°, 100%, 80%
HSV	182°, 40%, 100%
XYZ	65.9914, 83.6131, 107.2714
YIQ	222.7410, -59.9670, -20.0550

# Conversions

## Conversions Part 2

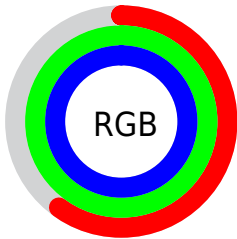
Format	Color
R <sub>Y</sub> B	153, 203, 255
Decimal	10091775
CIE Lab	93.28, -28.30, -10.59
CIE LCh	93, 30.216, 200.518
Yxy	83.6131, 0.2569, 0.3255
Android (android.graphics.Color)	4288281855 (0xFF99FCFF)
YUV	222.7410, 15.9037, -61.1629
Hunter-Lab	91.4402, -31.1988, -5.5468

# Details

The Yxy color **83.6131, 0.2569, 0.3255** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.3183, 0.4136, 0.3324**, and the grayscale version is **73.5107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **45.5403, 0.2453, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **80.9268, 0.2464, 0.3245**, and if you desaturate by 10%, it is **86.8372, 0.2690, 0.3265**.

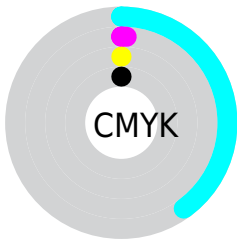
# Distribution



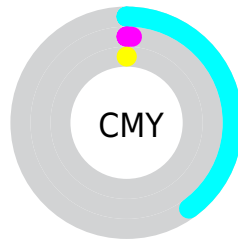
- Red (60%)
- Green (99%)
- Blue (100%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6131, 0.2569, 0.3255 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 83.6131, 0.2569, 0.3255 by changing the saturation by 10% instead.



 83.6131, 0.2569,  
0.3255


 83.6131, 0.2569,  
0.3255


507.0276, 0.2816,  
0.3276

 62.6961, 0.2515,  
0.3249


 138.4338, 0.2653,  
0.3263

 45.5954, 0.2450,  
0.3241

 173.1063, 0.2686,  
0.3266

 31.9266, 0.2369,  
0.3231


213.1327, 0.2715,  
0.3269

 21.3055, 0.2267,  
0.3216

258.8974, 0.2740,  
0.3271

 13.3475, 0.2134,  
0.3193

310.7849, 0.2762,  
0.3272

 7.6683, 0.1954,  
0.3157

369.1795, 0.2782,

 3.8834, 0.1699,

0.3274

0.3093

434.4656, 0.2800,  
0.3275

■ 1.6086, 0.1305,  
0.2970

■ 0.3634, 0.0000,  
0.2407

■ 83.6131, 0.2569,  
0.3255

■ 83.6131, 0.2569,  
0.3255

■ 80.9268, 0.2464,  
0.3245

■ 86.8372, 0.2690,  
0.3265

■ 78.7354, 0.2378,  
0.3235

■ 90.6214, 0.2826,  
0.3274

■ 77.0038, 0.2311,  
0.3225

■ 94.9973, 0.2972,  
0.3282

■ 75.6884, 0.2264,  
0.3215

99.9916, 0.3127,  
0.3290

■ 74.7373, 0.2235,  
0.3206

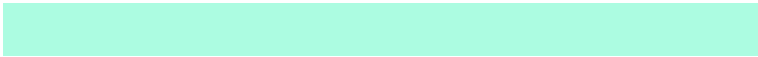
100.0000, 0.3127,  
0.3290

■ 74.0663, 0.2221,  
0.3196

# Harmonies

## Analogous

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



83.6131, 0.2804, 0.3589



83.6131, 0.2569, 0.3255



83.6131, 0.2479, 0.2955

# Triad

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



83.6131, 0.2569, 0.3255



83.6131, 0.3090, 0.2812



83.6131, 0.3729, 0.3802

# Complementary

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



83.6131, 0.2569, 0.3255



47.3183, 0.4136, 0.3324

# 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.



83.6131, 0.3822, 0.3566



83.6131, 0.2569, 0.3255



83.6131, 0.3441, 0.3012

# Square

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



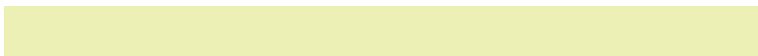
83.6131, 0.2569, 0.3255



83.6131, 0.2766, 0.2723



83.6131, 0.3715, 0.3281



83.6131, 0.3473, 0.3912

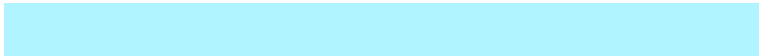


# Rectangle

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



83.6131, 0.2569, 0.3255



83.6131, 0.2508, 0.2815



83.6131, 0.3715, 0.3281



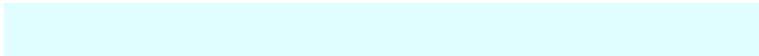
83.6131, 0.3781, 0.3733

# Sweetspot

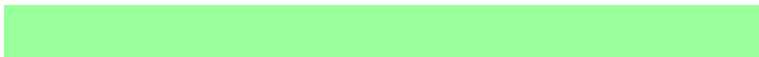
The Sweet Spot groups the original color and five complimentary colors.



83.6161, 0.2569, 0.3255



94.0807, 0.2943, 0.3280



80.6435, 0.3061, 0.4506



20.0108, 0.2923, 0.3279



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.



83.6161, 0.2569, 0.3255



81.4277, 0.2484, 0.3247



56.3606, 0.2476, 0.2665



20.3847, 0.2980, 0.3283



38.7422, 0.2222, 0.3198



3.7998, 0.2225, 0.3209



# Inverse Universe

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



51.0582, 0.3198, 0.2326



44.9169, 0.3213, 0.2152



67.5475, 0.3918, 0.3837



18.2906, 0.3143, 0.3063



14.6390, 0.3284, 0.1583

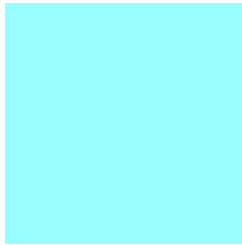


1.4281, 0.3275, 0.1578



# Previews

## White Background



This preview shows how the Yxy color 83.6131, 0.2569, 0.3255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

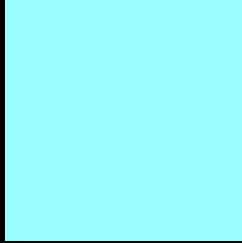
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.6131, 0.2569, 0.3255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

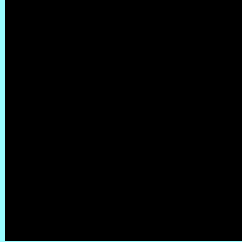
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.6131, 0.2569, 0.3255**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.6131, 0.2569, 0.3255.

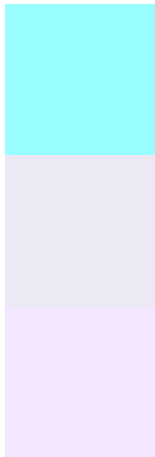


This preview shows how white text looks on a background with the Yxy color 83.6131, 0.2569, 0.3255.

# 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

83.6131, 0.2569, 0.3255

### Protanopia

82.6423, 0.3079, 0.3178

### Deuteranopia

82.8683, 0.3058, 0.3042



## Tritanopia

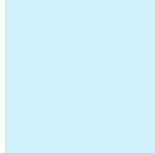
83.0569, 0.2773, 0.3161

# Trichromacy



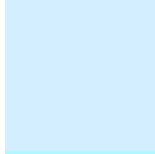
## Original Color

83.6131, 0.2569, 0.3255



## Protanomaly

82.2193, 0.2867, 0.3204



## Deuteranomaly

82.0707, 0.2851, 0.3112



## Tritanomaly

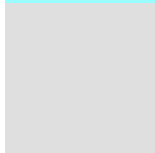
82.8348, 0.2690, 0.3191

# Monochromacy



## Original Color

83.6131, 0.2569, 0.3255



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.8496, 0.2888, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.6131, 0.2569, 0.3255 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(153, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 252, 255)  
}
```

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(153, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.6131, 0.2569, 0.3255 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(153, 252, 255) }
```

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

```
.border{ border-color:rgb(153, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 252,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.6131, 0.2569, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 252, 255) }
```

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

```
.background{ background-color: rgb(153,  
252, 255) }
```

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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