

# Converting Colors

Yxy(84.9224, 0.2616, 0.3260)

Have a look what the booklet for  
Yxy(84.9224, 0.2616, 0.3260)  
contains.

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# Color

**Yxy(84.6273, 0.2615, 0.3255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3FCFF
RGB	163, 252, 255
RGB Percent	64%, 99%, 100%
CMY	0.3602, 0.0118, 0.0000
CMYK	0.36, 0.01, 0.00, 0.00
HSL	182°, 100%, 82%
HSV	182°, 36%, 100%
XYZ	67.9878, 84.6273, 107.3766
YIQ	225.7310, -54.0070, -17.9350

# Conversions

## Conversions Part 2

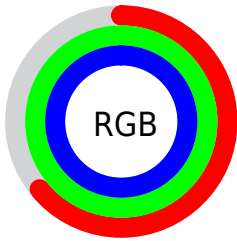
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 208, 255
Decimal	10747135
CIE Lab	93.72, -25.78, -9.90
CIE LCh	94, 27.611, 201.005
Yxy	84.6273, 0.2615, 0.3255
Android (android.graphics.Color)	4288937215 (0xFFA3FCFF)
YUV	225.7310, 14.4296, -55.0151
Hunter-Lab	91.9931, -29.0669, -4.8096

# Details

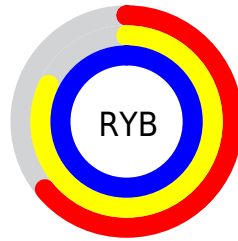
The Yxy color **84.6273, 0.2615, 0.3255** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2398, 0.3992, 0.3324**, and the grayscale version is **75.7939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **46.1716, 0.2506, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **81.6751, 0.2503, 0.3244**, and if you desaturate by 10%, it is **88.1284, 0.2743, 0.3266**.

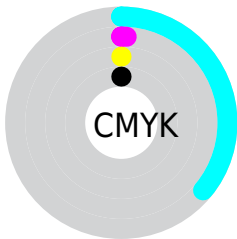
# Distribution



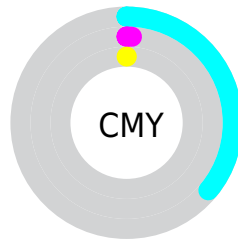
- Red (64%)
- Green (99%)
- Blue (100%)



- Red (64%)
- Yellow (82%)
- Blue (100%)



- Cyan (36%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6273, 0.2615, 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 84.6273, 0.2615, 0.3255 by changing the saturation by 10% instead.



 84.6273, 0.2615,  
0.3255


 84.6273, 0.2615,  
0.3255

510.3940, 0.2842,  
0.3275

 63.5335, 0.2566,  
0.3249

 139.8523, 0.2692,  
0.3263

 46.2729, 0.2506,  
0.3242


 174.7523, 0.2722,  
0.3266

 32.4612, 0.2432,  
0.3232

215.0232, 0.2749,  
0.3268

 21.7140, 0.2338,  
0.3219

261.0493, 0.2772,  
0.3270

 13.6469, 0.2215,  
0.3198

313.2150, 0.2792,  
0.3272

 7.8755, 0.2049,  
0.3166

371.9048, 0.2811,

 4.0154, 0.1812,

0.3273

0.3110

437.5030, 0.2827,  
0.3274

■ 1.6822, 0.1453,  
0.3000

■ 0.4121, 0.0000,  
0.2635

■ 84.6273, 0.2615,  
0.3255

■ 84.6273, 0.2615,  
0.3255

■ 81.6751, 0.2503,  
0.3244

■ 88.1284, 0.2743,  
0.3266

■ 79.2334, 0.2409,  
0.3233

■ 92.2028, 0.2883,  
0.3276

■ 77.2676, 0.2334,  
0.3222

■ 96.8803, 0.3033,  
0.3285

■ 75.7368, 0.2278,  
0.3211

100.0000, 0.3127,  
0.3290

■ 74.5927, 0.2242,  
0.3200

■ 73.7757, 0.2223,  
0.3189

■ 73.5066, 0.2218,  
0.3185

# Harmonies

## Analogous

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



84.6273, 0.2829, 0.3557



84.6273, 0.2615, 0.3255



84.6273, 0.2534, 0.2983

# Triad

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



84.6273, 0.2615, 0.3255



84.6273, 0.3100, 0.2855



84.6273, 0.3673, 0.3760

# Complementary

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



84.6273, 0.2615, 0.3255



51.2398, 0.3992, 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.



84.6273, 0.3759, 0.3549



84.6273, 0.2615, 0.3255



84.6273, 0.3418, 0.3040

# Square

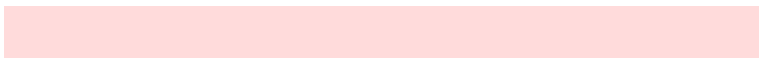
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6273, 0.2615, 0.3255



84.6273, 0.2803, 0.2771



84.6273, 0.3665, 0.3288



84.6273, 0.3439, 0.3856

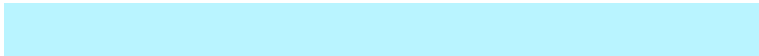


# Rectangle

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



84.6273, 0.2615, 0.3255



84.6273, 0.2562, 0.2856



84.6273, 0.3665, 0.3288



84.6273, 0.3721, 0.3699

# Sweetspot

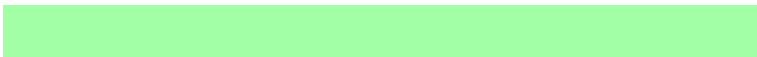
The Sweet Spot groups the original color and five complimentary colors.



84.6292, 0.2615, 0.3255



94.4757, 0.2958, 0.3280



82.0258, 0.3068, 0.4365



20.0871, 0.2937, 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.



84.6292, 0.2615, 0.3255



82.5128, 0.2535, 0.3248



59.9082, 0.2543, 0.2738



20.3729, 0.2980, 0.3282



38.4545, 0.2219, 0.3187



3.7751, 0.2222, 0.3199



# Inverse Universe

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



54.5308, 0.3193, 0.2421



48.6079, 0.3207, 0.2262



70.2996, 0.3822, 0.3782



18.2895, 0.3143, 0.3063



14.6100, 0.3293, 0.1588

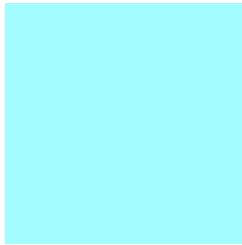


1.4256, 0.3283, 0.1582



# Previews

## White Background



This preview shows how the Yxy color 84.6273, 0.2615, 0.3255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

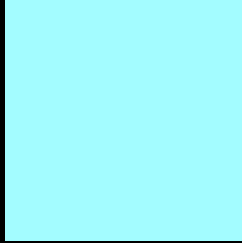
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6273, 0.2615, 0.3255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

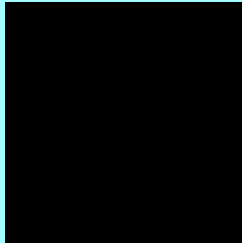
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.6273, 0.2615, 0.3255**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6273, 0.2615, 0.3255.

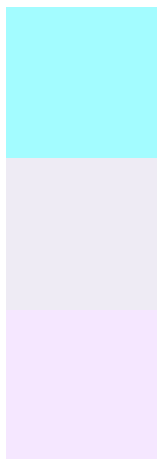


This preview shows how white text looks on a background with the Yxy color 84.6273, 0.2615, 0.3255.

# 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

84.6273, 0.2615, 0.3255

### Protanopia

84.1255, 0.3092, 0.3199

### Deuteranopia

83.7843, 0.3071, 0.3053



## Tritanopia

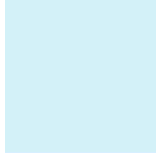
84.4779, 0.2808, 0.3173

# Trichromacy



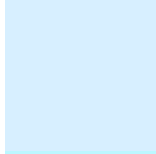
## Original Color

84.6273, 0.2615, 0.3255



## Protanomaly

83.5368, 0.2897, 0.3216



## Deuteranomaly

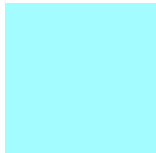
83.4001, 0.2882, 0.3124



## Tritanomaly

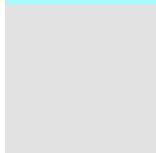
84.4329, 0.2733, 0.3203

# Monochromacy



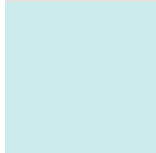
## Original Color

84.6273, 0.2615, 0.3255



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.2276, 0.2908, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  84.6273, 0.2615, 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(163, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6273, 0.2615, 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(163, 252, 255) }
```

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

```
.border{ border-color:rgb(163, 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(163, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 252,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6273, 0.2615, 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(163, 252, 255) }
```

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

```
.background{ background-color: rgb(163,  
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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