

# Converting Colors

$Yxy(86.0027, 0.2454, 0.2988)$

Have a look what the booklet for  
Yxy(86.0027, 0.2454, 0.2988)  
contains.

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# Color

**Yxy(84.1460, 0.2567, 0.3266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FDFF
RGB	152, 253, 255
RGB Percent	60%, 99%, 100%
CMY	0.4035, 0.0079, 0.0000
CMYK	0.40, 0.01, 0.00, 0.00
HSL	181°, 100%, 80%
HSV	181°, 40%, 100%
XYZ	66.1368, 84.1460, 107.3596
YIQ	223.0290, -60.8380, -20.7900

# Conversions

## Conversions Part 2

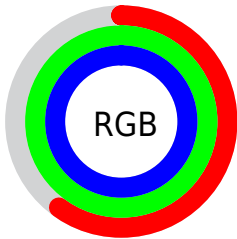
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	152, 203, 255
Decimal	10026495
CIE Lab	93.51, -28.97, -10.25
CIE LCh	94, 30.732, 199.475
Yxy	84.1460, 0.2567, 0.3266
Android (android.graphics.Color)	4288216575 (0xFF98FDFF)
YUV	223.0290, 15.7617, -62.2924
Hunter-Lab	91.7311, -31.8336, -5.1796

# Details

The Yxy color **84.1460, 0.2567, 0.3266** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.6759, 0.4153, 0.3314**, and the grayscale version is **73.7491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.8842, 0.2447, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **81.6321, 0.2464, 0.3259**, and if you desaturate by 10%, it is **87.1963, 0.2687, 0.3272**.

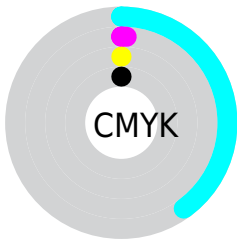
# Distribution



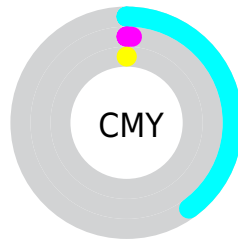
- Red (60%)
- Green (99%)
- Blue (100%)



- 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 84.1460, 0.2567, 0.3266 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 84.1460, 0.2567, 0.3266 by changing the saturation by 10% instead.





 84.1460, 0.2567,  
0.3266


 84.1460, 0.2567,  
0.3266


508.7979, 0.2815,  
0.3282

 63.1360, 0.2513,  
0.3261


 139.1794, 0.2651,  
0.3273

 45.9512, 0.2448,  
0.3255

 173.9716, 0.2684,  
0.3275

 32.2073, 0.2367,  
0.3246


214.1266, 0.2713,  
0.3277

 21.5199, 0.2265,  
0.3233

260.0288, 0.2738,  
0.3278

 13.5046, 0.2132,  
0.3213

312.0626, 0.2761,  
0.3280

 7.7769, 0.1952,  
0.3181

370.6125, 0.2781,

 3.9525, 0.1697,

0.3281

0.3124

436.0628, 0.2799,  
0.3282

1.6470, 0.1306,  
0.3010

0.3890, 0.0000,  
0.2526

84.1460, 0.2567,  
0.3266

84.1460, 0.2567,  
0.3266

81.6321, 0.2464,  
0.3259

87.1963, 0.2687,  
0.3272

79.6105, 0.2379,  
0.3253

90.8042, 0.2821,  
0.3279

78.0463, 0.2315,  
0.3246

95.0018, 0.2967,  
0.3284

76.8958, 0.2269,  
0.3239

99.8160, 0.3122,  
0.3290

■ 76.1065, 0.2242,  
0.3233

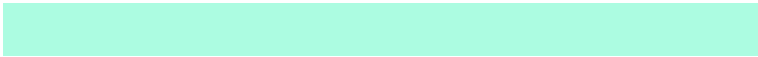
99.9998, 0.3127,  
0.3290

■ 75.6063, 0.2230,  
0.3227

# Harmonies

## Analogous

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



84.1460, 0.2810, 0.3605



84.1460, 0.2567, 0.3266



84.1460, 0.2470, 0.2959

# Triad

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



84.1460, 0.2567, 0.3266



84.1460, 0.3077, 0.2801



84.1460, 0.3744, 0.3802

# Complementary

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



84.1460, 0.2567, 0.3266



46.6759, 0.4153, 0.3314

# 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.



84.1460, 0.3832, 0.3560



84.1460, 0.2567, 0.3266



84.1460, 0.3434, 0.3000

# Square

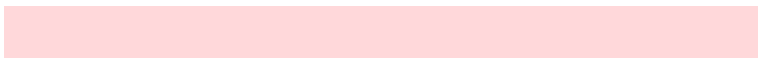
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



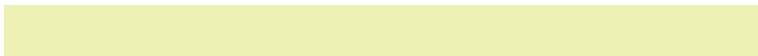
84.1460, 0.2567, 0.3266



84.1460, 0.2751, 0.2714



84.1460, 0.3717, 0.3271



84.1460, 0.3489, 0.3921



# Rectangle

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



84.1460, 0.2567, 0.3266



84.1460, 0.2496, 0.2814



84.1460, 0.3717, 0.3271



84.1460, 0.3795, 0.3731

# Sweetspot

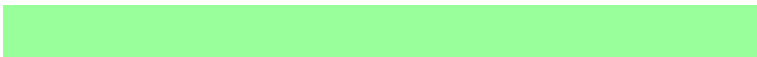
The Sweet Spot groups the original color and five complimentary colors.



84.1493, 0.2567, 0.3266



94.2712, 0.2943, 0.3283



80.5299, 0.3060, 0.4518



20.0560, 0.2923, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

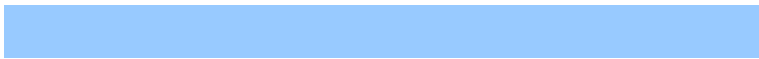
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1493, 0.2567, 0.3266



82.1807, 0.2487, 0.3261



56.0677, 0.2471, 0.2659



20.4171, 0.2980, 0.3285



39.5346, 0.2230, 0.3228



3.8680, 0.2232, 0.3235



# Inverse Universe

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



50.8395, 0.3190, 0.2310



44.9930, 0.3202, 0.2143



67.3183, 0.3926, 0.3841



18.2939, 0.3141, 0.3060



14.7190, 0.3258, 0.1569

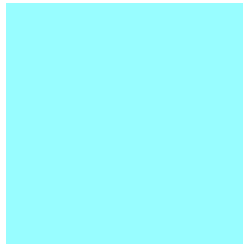


1.4350, 0.3252, 0.1565



# Previews

## White Background



This preview shows how the Yxy color 84.1460, 0.2567, 0.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

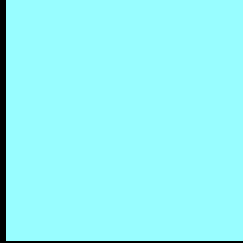
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1460, 0.2567, 0.3266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

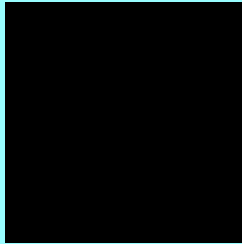
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.1460, 0.2567, 0.3266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1460, 0.2567, 0.3266.

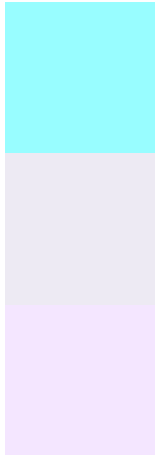


This preview shows how white text looks on a background with the Yxy color 84.1460, 0.2567, 0.3266.

# 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

84.1460, 0.2567, 0.3266

### Protanopia

83.3212, 0.3091, 0.3199

### Deuteranopia

83.0467, 0.3065, 0.3043



## Tritanopia

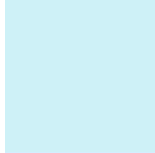
83.9271, 0.2786, 0.3173

# Trichromacy



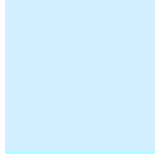
## Original Color

84.1460, 0.2567, 0.3266



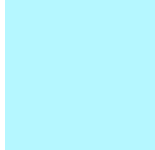
## Protanomaly

82.7478, 0.2873, 0.3226



## Deuteranomaly

82.2180, 0.2857, 0.3112



## Tritanomaly

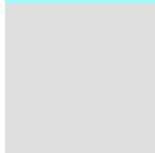
83.5653, 0.2696, 0.3202

# Monochromacy



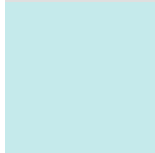
## Original Color

84.1460, 0.2567, 0.3266



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.7141, 0.2882, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.1460, 0.2567, 0.3266 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(152, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 253, 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(152, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 253, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1460, 0.2567, 0.3266 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(152, 253, 255) }
```

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

```
.border{ border-color:rgb(152, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1460, 0.2567, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 253, 255) }
```

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

```
.background{ background-color: rgb(152,  
253, 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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