

# Converting Colors

$Yxy(88.9787, 0.2282, 0.2618)$

Have a look what the booklet for  
Yxy(88.9787, 0.2282, 0.2618)  
contains.

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# Color

**Yxy(84.1234, 0.2539, 0.3277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91FEFF
RGB	145, 254, 255
RGB Percent	57%, 100%, 100%
CMY	0.4311, 0.0039, 0.0000
CMYK	0.43, 0.00, 0.00, 0.00
HSL	181°, 100%, 78%
HSV	181°, 43%, 100%
XYZ	65.1783, 84.1234, 107.4069
YIQ	221.5230, -65.2850, -22.7970

# Conversions

## Conversions Part 2

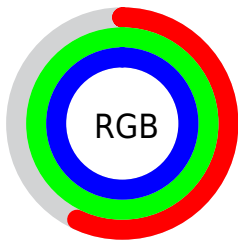
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 200, 255
Decimal	9567999
CIELab	93.50, -31.08, -10.29
CIElCh	94, 32.742, 198.321
Yxy	84.1234, 0.2539, 0.3277
Android (android.graphics.Color)	4287758079 (0xFF91FEFF)
YUV	221.5230, 16.5042, -67.1107
Hunter-Lab	91.7188, -33.6601, -5.2281

# Details

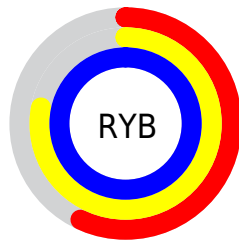
The Yxy color **84.1234, 0.2539, 0.3277** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.8903, 0.4264, 0.3304**, and the grayscale version is **72.6237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **45.9410, 0.2416, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **81.9150, 0.2442, 0.3274**, and if you desaturate by 10%, it is **86.8584, 0.2654, 0.3280**.

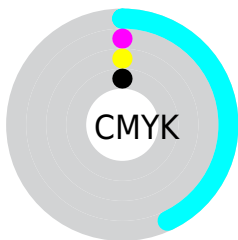
# Distribution



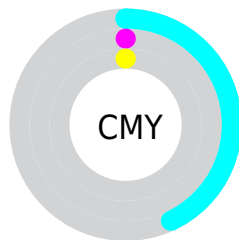
- Red (57%)
- Green (100%)
- Blue (100%)



- Red (57%)
- Yellow (78%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1234, 0.2539, 0.3277 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 84.1234, 0.2539, 0.3277 by changing the saturation by 10% instead.




 84.1234, 0.2539,  
0.3277


 84.1234, 0.2539,  
0.3277


508.7229, 0.2799,  
0.3289

 63.1173, 0.2482,  
0.3273


 139.1478, 0.2627,  
0.3282

 45.9361, 0.2414,  
0.3268

 173.9349, 0.2662,  
0.3284

 32.1954, 0.2330,  
0.3260


214.0844, 0.2692,  
0.3285

 21.5108, 0.2223,  
0.3248

259.9808, 0.2719,  
0.3286

 13.4979, 0.2084,  
0.3230

312.0085, 0.2742,  
0.3287

 7.7723, 0.1897,  
0.3200

370.5518, 0.2763,

 3.9496, 0.1633,

0.3288

435.9952, 0.2782,  
0.3288

0.3145

1.6454, 0.1221,  
0.3035

0.3879, 0.0000,  
0.2517

84.1234, 0.2539,  
0.3277

84.1234, 0.2539,  
0.3277

81.9150, 0.2442,  
0.3274

86.8584, 0.2654,  
0.3280

80.1882, 0.2364,  
0.3271

90.1422, 0.2784,  
0.3283

78.9068, 0.2306,  
0.3267

94.0074, 0.2926,  
0.3286

78.0250, 0.2267,  
0.3264

98.4812, 0.3078,  
0.3289

■ 77.4872, 0.2246,  
0.3261

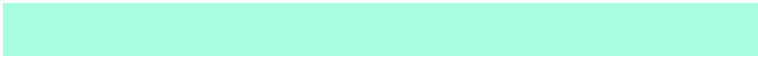
99.9999, 0.3127,  
0.3290

■ 77.2613, 0.2239,  
0.3259

# Harmonies

## Analogous

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



84.1234, 0.2801, 0.3639



84.1234, 0.2539, 0.3277



84.1234, 0.2431, 0.2946

# Triad

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



84.1234, 0.2539, 0.3277



84.1234, 0.3058, 0.2765



84.1234, 0.3791, 0.3825

# Complementary

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



84.1234, 0.2539, 0.3277



43.8903, 0.4264, 0.3304

# 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.



84.1234, 0.3878, 0.3563



84.1234, 0.2539, 0.3277



84.1234, 0.3440, 0.2972

# Square

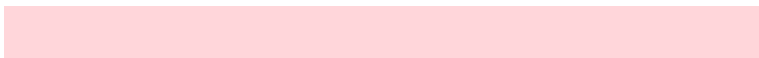
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1234, 0.2539, 0.3277



84.1234, 0.2716, 0.2678



84.1234, 0.3747, 0.3256



84.1234, 0.3524, 0.3961



# Rectangle

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



84.1234, 0.2539, 0.3277



84.1234, 0.2453, 0.2790



84.1234, 0.3747, 0.3256



84.1234, 0.3843, 0.3748

# Sweetspot

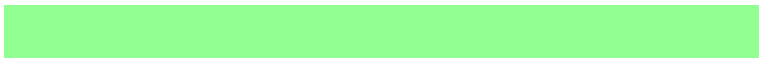
The Sweet Spot groups the original color and five complimentary colors.



84.1267, 0.2539, 0.3277



94.0528, 0.2928, 0.3286



79.5927, 0.3064, 0.4639



19.9373, 0.2895, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

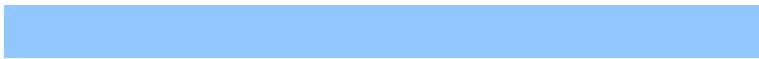
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1267, 0.2539, 0.3277



82.1363, 0.2452, 0.3274



54.5737, 0.2430, 0.2631



20.4513, 0.2980, 0.3287



40.3845, 0.2239, 0.3260



3.9409, 0.2240, 0.3263



# Inverse Universe

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



48.6904, 0.3185, 0.2239



42.4197, 0.3196, 0.2051



64.6332, 0.4003, 0.3861



18.2974, 0.3140, 0.3058



14.8048, 0.3232, 0.1554

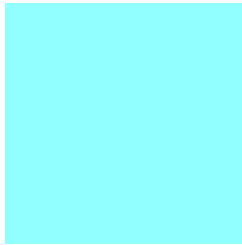


1.4424, 0.3229, 0.1553



# Previews

## White Background



This preview shows how the Yxy color 84.1234, 0.2539, 0.3277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

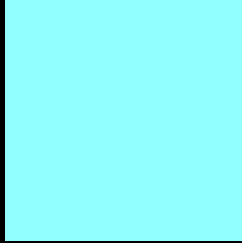
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1234, 0.2539, 0.3277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

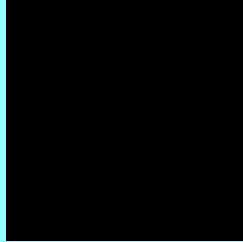
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.1234, 0.2539, 0.3277**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1234, 0.2539, 0.3277.

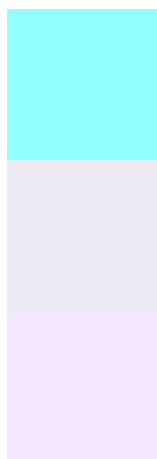


This preview shows how white text looks on a background with the Yxy color 84.1234, 0.2539, 0.3277.

# 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

84.1234, 0.2539, 0.3277

### Protanopia

83.3212, 0.3091, 0.3199

### Deuteranopia

83.0467, 0.3065, 0.3043



## Tritanopia

83.6571, 0.2774, 0.3172

# Trichromacy



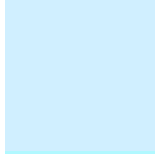
## Original Color

84.1234, 0.2539, 0.3277



## Protanomaly

82.4634, 0.2861, 0.3225



## Deuteranomaly

82.3629, 0.2840, 0.3122



## Tritanomaly

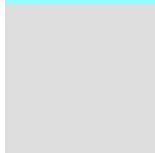
83.7019, 0.2677, 0.3213

# Monochromacy



## Original Color

84.1234, 0.2539, 0.3277



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.2555, 0.2869, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  84.1234, 0.2539, 0.3277 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 254, 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(145, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 254, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1234, 0.2539, 0.3277 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, 254, 255) }
```

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

```
.border{ border-color:rgb(145, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 254,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1234, 0.2539, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 254, 255) }
```

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

```
.background{ background-color: rgb(145,  
254, 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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