

# Converting Colors

$Yxy(84.8456, 0.2622, 0.3408)$

Have a look what the booklet for  
Yxy(84.8456, 0.2622, 0.3408)  
contains.

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# Color

**Yxy(84.8240, 0.2624, 0.3412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFF4
RGB	153, 255, 244
RGB Percent	60%, 100%, 96%
CMY	0.3999, 0.0000, 0.0430
CMYK	0.40, 0.00, 0.04, 0.00
HSL	174°, 100%, 80%
HSV	174°, 40%, 100%
XYZ	65.2339, 84.8240, 98.5470
YIQ	223.2480, -57.2610, -25.0450

# Conversions

## Conversions Part 2

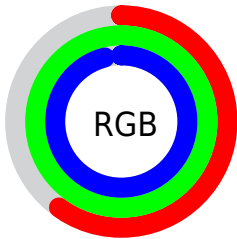
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 207, 255
Decimal	10092532
CIELab	93.81, -32.26, -4.14
CIElCh	94, 32.527, 187.307
Yxy	84.8240, 0.2624, 0.3412
Android (android.graphics.Color)	4288282612 (0xFF99FFF4)
YUV	223.2480, 10.2307, -61.6075
Hunter-Lab	92.0999, -34.7442, 1.0296

# Details

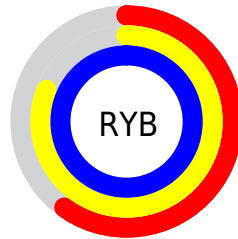
The Yxy color **84.8240, 0.2624, 0.3412** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7332, 0.4034, 0.3177**, and the grayscale version is **73.9420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.4519, 0.2514, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **82.4395, 0.2531, 0.3448**, and if you desaturate by 10%, it is **87.7478, 0.2733, 0.3378**.

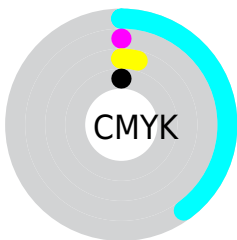
# Distribution



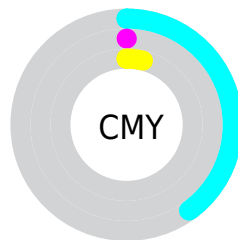
- Red (60%)
- Green (100%)
- Blue (96%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8240, 0.2624, 0.3412 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 84.8240, 0.2624, 0.3412 by changing the saturation by 10% instead.





 84.8240, 0.2624,  
0.3412


 84.8240, 0.2624,  
0.3412


511.0455, 0.2848,  
0.3360

 63.6960, 0.2575,  
0.3423


 140.1273, 0.2700,  
0.3395

 46.4045, 0.2515,  
0.3436


 175.0713, 0.2730,  
0.3388

 32.5651, 0.2441,  
0.3451


215.3894, 0.2756,  
0.3382

 21.7935, 0.2347,  
0.3471

261.4660, 0.2779,  
0.3376

 13.7052, 0.2224,  
0.3495

313.6855, 0.2799,  
0.3372

 7.9159, 0.2055,  
0.3525


372.4324, 0.2817,


 4.0412, 0.1813,


0.3367


0.3563


438.0909, 0.2833,  
0.3364

 1.6966, 0.1418,  
0.3616


 0.4215, 0.0000,  
0.3603


 84.8240, 0.2624,  
0.3412


 84.8240, 0.2624,  
0.3412

 82.4395, 0.2531,  
0.3448


 87.7478, 0.2733,  
0.3378

 80.5503, 0.2455,  
0.3484


 91.2320, 0.2855,  
0.3346

 79.1215, 0.2399,  
0.3522

 95.3086, 0.2988,  
0.3317

 78.1097, 0.2363,  
0.3560

99.9981, 0.3127,  
0.3290

 77.4630, 0.2345,  
0.3597

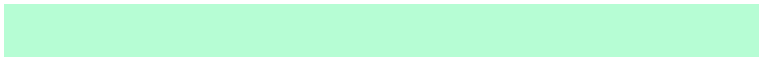
 77.0965, 0.2343,  
0.3634

 77.0961, 0.2343,  
0.3634

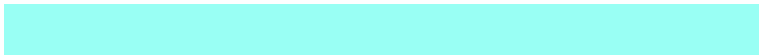
# Harmonies

## Analogous

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



84.8240, 0.2928, 0.3749



84.8240, 0.2624, 0.3412



84.8240, 0.2457, 0.3059

# Triad

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



84.8240, 0.2624, 0.3412



84.8240, 0.2925, 0.2722



84.8240, 0.3841, 0.3736

# Complementary

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



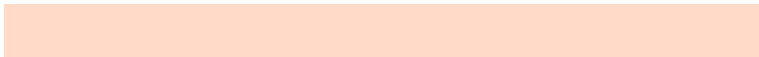
84.8240, 0.2624, 0.3412



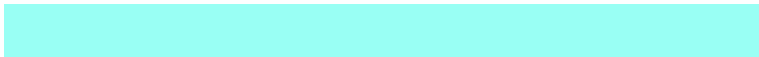
46.7332, 0.4034, 0.3177

# 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.



84.8240, 0.3848, 0.3451



84.8240, 0.2624, 0.3412



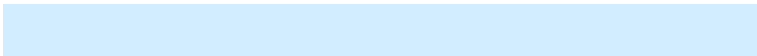
84.8240, 0.3301, 0.2888

# Square

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



84.8240, 0.2624, 0.3412



84.8240, 0.2622, 0.2687



84.8240, 0.3646, 0.3147

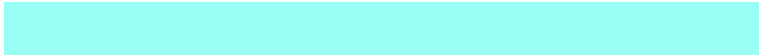


84.8240, 0.3634, 0.3926



# Rectangle

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



84.8240, 0.2624, 0.3412



84.8240, 0.2437, 0.2873



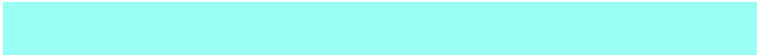
84.8240, 0.3646, 0.3147



84.8240, 0.3867, 0.3647

# Sweetspot

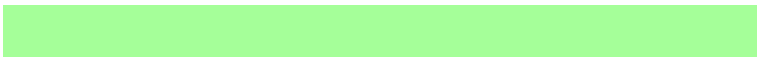
The Sweet Spot groups the original color and five complimentary colors.



84.8274, 0.2624, 0.3412



94.4412, 0.2961, 0.3323



81.8109, 0.3137, 0.4501



20.0964, 0.2943, 0.3326



0.0000, 0.0000, 0.0000

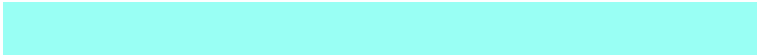


21.4041, 0.3127, 0.3290

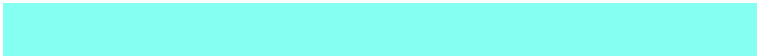


# Same Dimension

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



84.8274, 0.2624, 0.3412



82.8751, 0.2548, 0.3440



63.0616, 0.2503, 0.2833



20.4458, 0.2994, 0.3316



40.2990, 0.2341, 0.3628



3.9330, 0.2329, 0.3585



# Inverse Universe

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



46.7332, 0.4034, 0.3177



39.9937, 0.4322, 0.3157



61.3123, 0.3975, 0.3700



18.0188, 0.3277, 0.3265



11.1614, 0.6277, 0.3231

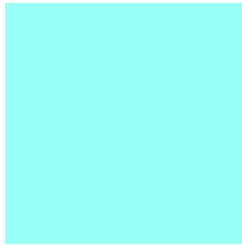


1.0966, 0.6053, 0.3108



# Previews

## White Background



This preview shows how the Yxy color 84.8240, 0.2624, 0.3412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

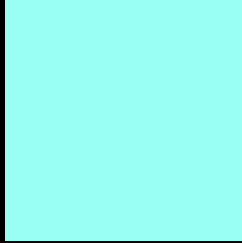
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8240, 0.2624, 0.3412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

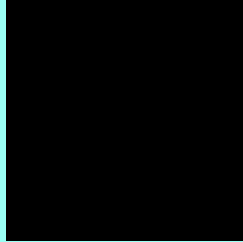
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

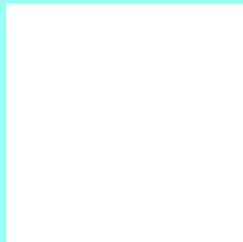
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8240, 0.2624, 0.3412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8240, 0.2624, 0.3412.

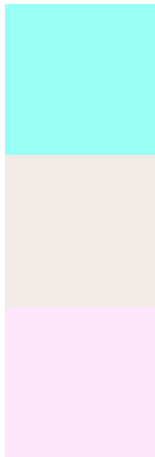


This preview shows how white text looks on a background with the Yxy color 84.8240, 0.2624, 0.3412.

# 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

84.8240, 0.2624, 0.3412

### Protanopia

83.9436, 0.3186, 0.3321

### Deuteranopia

83.8234, 0.3157, 0.3085



## Tritanopia

84.3389, 0.2803, 0.3173

# Trichromacy



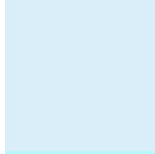
## Original Color

84.8240, 0.2624, 0.3412



## Protanomaly

83.1157, 0.2953, 0.3354



## Deuteranomaly

82.6781, 0.2933, 0.3185



## Tritanomaly

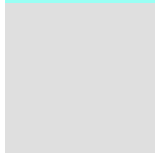
84.2902, 0.2733, 0.3256

# Monochromacy



## Original Color

84.8240, 0.2624, 0.3412



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.1919, 0.2912, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8240, 0.2624, 0.3412 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, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 244)  
}
```

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, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8240, 0.2624, 0.3412 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, 255, 244) }
```

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

```
.border{ border-color:rgb(153, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8240, 0.2624, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 244) }
```

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

```
.background{ background-color: rgb(153,  
255, 244) }
```

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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