

# Converting Colors

$Yxy(90.2024, 0.2588, 0.3526)$

Have a look what the booklet for  
Yxy(90.2024, 0.2588, 0.3526)  
contains.

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# Color

**Yxy(83.6271, 0.2568, 0.3414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CFFF4
RGB	140, 255, 244
RGB Percent	55%, 100%, 96%
CMY	0.4510, 0.0000, 0.0431
CMYK	0.45, 0.00, 0.04, 0.00
HSL	174°, 100%, 77%
HSV	174°, 45%, 100%
XYZ	62.9040, 83.6271, 98.4223
YIQ	219.3610, -65.0090, -27.8010

# Conversions

## Conversions Part 2

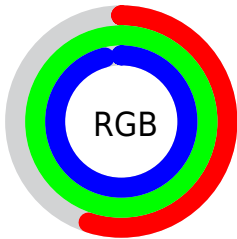
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 200, 255
Decimal	9240564
CIELab	93.29, -35.34, -4.95
CIELCh	93, 35.686, 187.974
Yxy	83.6271, 0.2568, 0.3414
Android (android.graphics.Color)	4287430644 (0xFF8CFF4)
YUV	219.3610, 12.1470, -69.5996
Hunter-Lab	91.4479, -37.2493, 0.2016

# Details

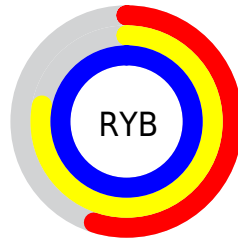
The Yxy color **83.6271, 0.2568, 0.3414** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.2476, 0.4228, 0.3179**, and the grayscale version is **71.0486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **45.6813, 0.2446, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **81.5158, 0.2483, 0.3446**, and if you desaturate by 10%, it is **86.2536, 0.2670, 0.3383**.

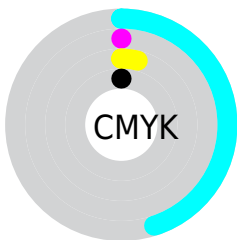
# Distribution



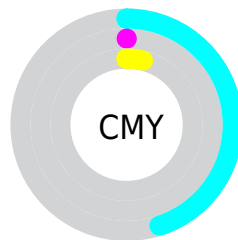
- Red (55%)
- Green (100%)
- Blue (96%)



- Red (55%)
- Yellow (78%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6271, 0.2568, 0.3414 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 83.6271, 0.2568, 0.3414 by changing the saturation by 10% instead.



 83.6271, 0.2568,  
0.3414


 83.6271, 0.2568,  
0.3414

507.0741, 0.2817,  
0.3362

 62.7076, 0.2513,  
0.3425


 138.4534, 0.2653,  
0.3397

 45.6047, 0.2447,  
0.3437


 173.1290, 0.2686,  
0.3390

 31.9340, 0.2365,  
0.3452


213.1588, 0.2715,  
0.3384

 21.3111, 0.2261,  
0.3471

258.9272, 0.2740,  
0.3378

 13.3516, 0.2124,  
0.3493

310.8185, 0.2763,  
0.3374

 7.6711, 0.1938,  
0.3520

369.2172, 0.2783,

 3.8852, 0.1672,

0.3369

434.5076, 0.2801,  
0.3365

0.3551

1.6096, 0.1199,  
0.3605

0.3640, 0.0000,  
0.3290

83.6271, 0.2568,  
0.3414

83.6271, 0.2568,  
0.3414

81.5158, 0.2483,  
0.3446

86.2536, 0.2670,  
0.3383

79.8837, 0.2416,  
0.3479

89.4277, 0.2788,  
0.3354

78.6901, 0.2369,  
0.3512

93.1793, 0.2917,  
0.3327

77.8878, 0.2342,  
0.3545

97.5361, 0.3054,  
0.3302

■ 77.4183, 0.2332,  
0.3578

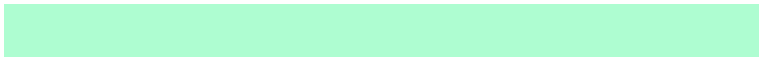
100.0000, 0.3127,  
0.3290

■ 77.2690, 0.2332,  
0.3594

# Harmonies

## Analogous

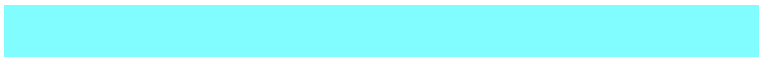
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6271, 0.2897, 0.3792



83.6271, 0.2568, 0.3414



83.6271, 0.2390, 0.3025

# Triad

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



83.6271, 0.2568, 0.3414



83.6271, 0.2912, 0.2672



83.6271, 0.3910, 0.3782

# Complementary

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



83.6271, 0.2568, 0.3414



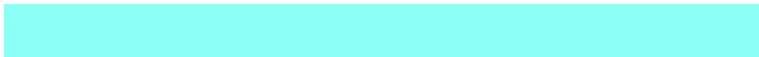
42.2476, 0.4228, 0.3179

# 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.



83.6271, 0.3925, 0.3470



83.6271, 0.2568, 0.3414



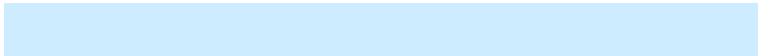
83.6271, 0.3326, 0.2855

# Square

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



83.6271, 0.2568, 0.3414



83.6271, 0.2578, 0.2629



83.6271, 0.3706, 0.3139

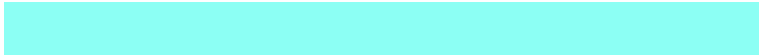


83.6271, 0.3676, 0.3992



# Rectangle

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



83.6271, 0.2568, 0.3414



83.6271, 0.2373, 0.2823



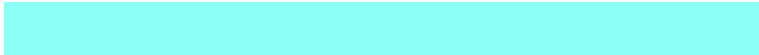
83.6271, 0.3706, 0.3139



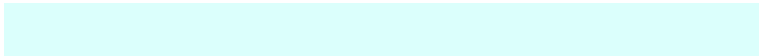
83.6271, 0.3942, 0.3685

# Sweetspot

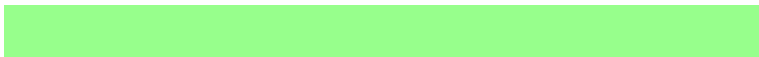
The Sweet Spot groups the original color and five complimentary colors.



83.6272, 0.2568, 0.3414



93.6289, 0.2931, 0.3324



80.0398, 0.3123, 0.4685



19.8533, 0.2902, 0.3330



0.0000, 0.0000, 0.0000

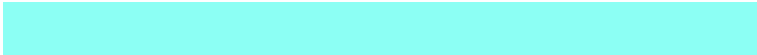


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.6272, 0.2568, 0.3414



81.7242, 0.2491, 0.3442



58.3942, 0.2423, 0.2739



20.4498, 0.2993, 0.3313



40.3870, 0.2330, 0.3588



3.9407, 0.2320, 0.3551



# Inverse Universe

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



42.2476, 0.4228, 0.3179



35.6766, 0.4582, 0.3162



58.2691, 0.4112, 0.3771



18.0153, 0.3279, 0.3268



11.1534, 0.6295, 0.3241

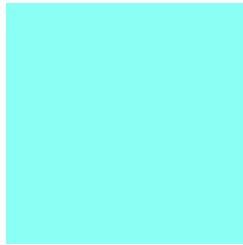


1.0950, 0.6089, 0.3128



# Previews

## White Background



This preview shows how the Yxy color 83.6271, 0.2568, 0.3414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

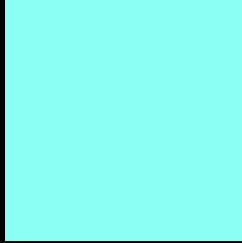
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.6271, 0.2568, 0.3414 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 83.6271, 0.2568, 0.3414**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.6271, 0.2568, 0.3414.

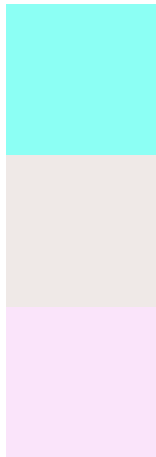


This preview shows how white text looks on a background with the Yxy color 83.6271, 0.2568, 0.3414.

# 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

83.6271, 0.2568, 0.3414

### Protanopia

82.3981, 0.3180, 0.3311

### Deuteranopia

82.7129, 0.3137, 0.3074



## Tritanopia

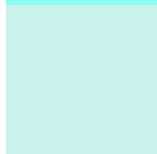
82.7905, 0.2762, 0.3161

# Trichromacy



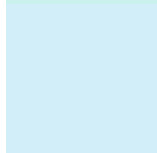
## Original Color

83.6271, 0.2568, 0.3414



## Protanomaly

81.6632, 0.2916, 0.3343



## Deuteranomaly

81.6280, 0.2890, 0.3184



## Tritanomaly

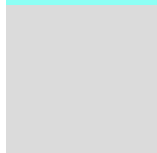
82.4852, 0.2680, 0.3245

# Monochromacy



## Original Color

83.6271, 0.2568, 0.3414



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.2618, 0.2878, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.6271, 0.2568, 0.3414 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(140, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 83.6271, 0.2568, 0.3414 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(140, 255, 244) }
```

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

```
.border{ border-color:rgb(140, 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(140, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.6271, 0.2568, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 244) }
```

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

```
.background{ background-color: rgb(140,  
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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