

# Converting Colors

$Yxy(83.8274, 0.2913, 0.3271)$

Have a look what the booklet for  
Yxy(83.8274, 0.2913, 0.3271)  
contains.

<b>Yxy(83.7376, 0.2914, 0.3268)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(83.7376, 0.2914, 0.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F2F4
RGB	210, 242, 244
RGB Percent	82%, 95%, 96%
CMY	0.1764, 0.0510, 0.0431
CMYK	0.14, 0.01, 0.00, 0.04
HSL	184°, 61%, 89%
HSV	184°, 14%, 96%
XYZ	74.6669, 83.7376, 97.8305
YIQ	232.6600, -19.7140, -6.1620

# Conversions

## Conversions Part 2

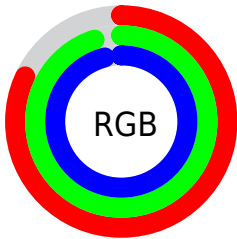
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 226, 244
Decimal	13824756
CIE <sub>Lab</sub>	93.34, -9.92, -4.48
CIE <sub>LCh</sub>	93, 10.889, 204.289
Yxy	83.7376, 0.2914, 0.3268
Android (android.graphics.Color)	4292014836 (0xFFD2F2F4)
YUV	232.6600, 5.5906, -19.8728
Hunter-Lab	91.5083, -14.4910, 0.6694

# Details

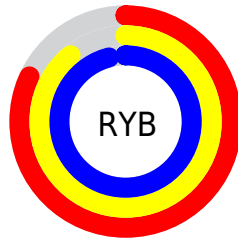
The Yxy color **83.7376, 0.2914, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0025, 0.3382, 0.3312**, and the grayscale version is **81.1909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7172, 0.2865, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **79.5667, 0.2770, 0.3251**, and if you desaturate by 10%, it is **88.4685, 0.3066, 0.3284**.

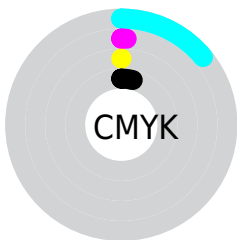
# Distribution



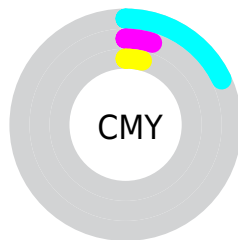
- Red (82%)
- Green (95%)
- Blue (96%)



- Red (82%)
- Yellow (89%)
- Blue (96%)



- Cyan (14%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (18%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7376, 0.2914, 0.3268 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 83.7376, 0.2914, 0.3268 by changing the saturation by 10% instead.



83.7376, 0.2914,  
0.3268

83.7376, 0.2914,  
0.3268

507.4415, 0.3010,  
0.3279

62.7988, 0.2893,  
0.3265

138.6081, 0.2947,  
0.3272

45.6785, 0.2867,  
0.3262

173.3085, 0.2959,  
0.3273

31.9922, 0.2835,  
0.3258

213.3650, 0.2971,  
0.3275

21.3555, 0.2793,  
0.3252

259.1619, 0.2980,  
0.3276

13.3841, 0.2738,  
0.3244

311.0836, 0.2989,  
0.3277

7.6936, 0.2662,  
0.3233

369.5145, 0.2997,

3.8995, 0.2548,

0.3277

0.3213

434.8390, 0.3004,  
0.3278

■ 1.6175, 0.2363,  
0.3176

■ 0.3694, 0.0912,  
0.3095

■ 83.7376, 0.2914,  
0.3268

■ 83.7376, 0.2914,  
0.3268

■ 79.5667, 0.2770,  
0.3251

■ 88.4685, 0.3066,  
0.3284

■ 75.9206, 0.2638,  
0.3232

■ 93.0383, 0.3198,  
0.3299

■ 72.7763, 0.2520,  
0.3213

■ 93.9199, 0.3197,  
0.3313

■ 70.1049, 0.2419,  
0.3193

■ 94.8085, 0.3196,  
0.3327

67.8744, 0.2337,  
0.3173

95.7040, 0.3195,  
0.3341

66.0491, 0.2274,  
0.3152

96.6064, 0.3194,  
0.3355

64.5874, 0.2230,  
0.3132

97.5158, 0.3193,  
0.3368

63.4384, 0.2204,  
0.3112

98.4321, 0.3192,  
0.3382

62.8481, 0.2195,  
0.3100

99.3129, 0.3191,  
0.3395

# Harmonies

## Analogous

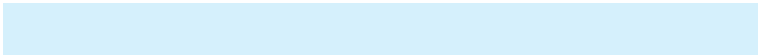
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7376, 0.2998, 0.3382



83.7376, 0.2914, 0.3268



83.7376, 0.2886, 0.3163

# Triad

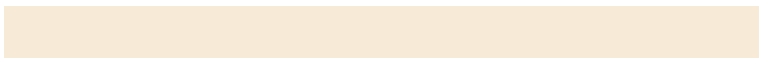
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7376, 0.2914, 0.3268



83.7376, 0.3133, 0.3118



83.7376, 0.3336, 0.3486

# Complementary

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



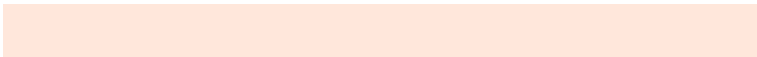
83.7376, 0.2914, 0.3268



71.0025, 0.3382, 0.3312

# 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.



83.7376, 0.3374, 0.3410



83.7376, 0.2914, 0.3268



83.7376, 0.3256, 0.3200

# Square

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



83.7376, 0.2914, 0.3268



83.7376, 0.3011, 0.3079



83.7376, 0.3345, 0.3306



83.7376, 0.3242, 0.3510

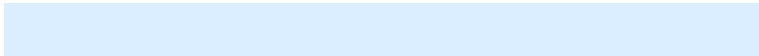


# Rectangle

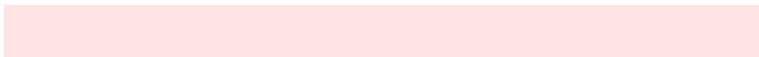
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



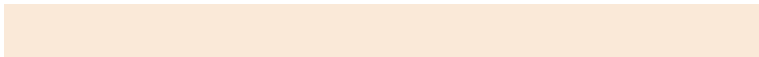
83.7376, 0.2914, 0.3268



83.7376, 0.2903, 0.3112



83.7376, 0.3345, 0.3306



83.7376, 0.3356, 0.3466

# Sweetspot

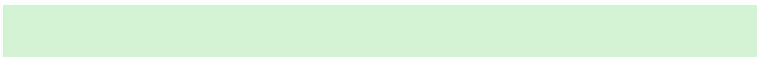
The Sweet Spot groups the original color and five complimentary colors.



83.7411, 0.2914, 0.3268



97.7299, 0.3065, 0.3284



83.1587, 0.3100, 0.3641



20.8293, 0.3053, 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.



83.7411, 0.2914, 0.3268



91.0502, 0.2868, 0.3263



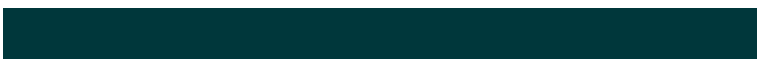
74.2638, 0.2908, 0.3089



18.5789, 0.2981, 0.3275



34.2397, 0.2195, 0.3103



3.0597, 0.2202, 0.3128



# Inverse Universe

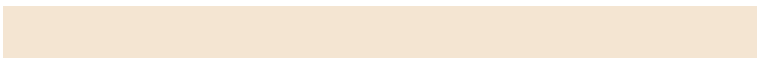
The Inverse Universe completely reimagines the original color for something new.



71.7533, 0.3157, 0.2965



75.2271, 0.3164, 0.2891



79.7766, 0.3358, 0.3484



16.7503, 0.3147, 0.3070



13.5559, 0.3364, 0.1627

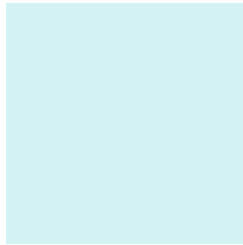


1.1965, 0.3343, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 83.7376, 0.2914, 0.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

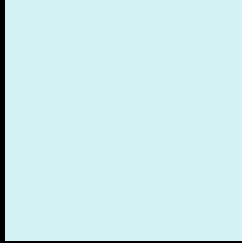
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7376, 0.2914, 0.3268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

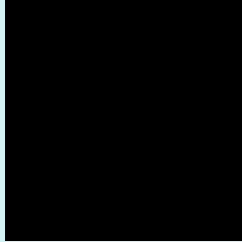
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

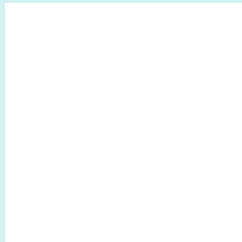
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.7376, 0.2914, 0.3268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7376, 0.2914, 0.3268.

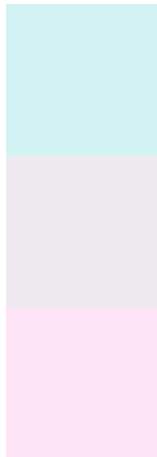


This preview shows how white text looks on a background with the Yxy color 83.7376, 0.2914, 0.3268.

# 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

83.7376, 0.2914, 0.3268

### Protanopia

83.2548, 0.3123, 0.3239

### Deuteranopia

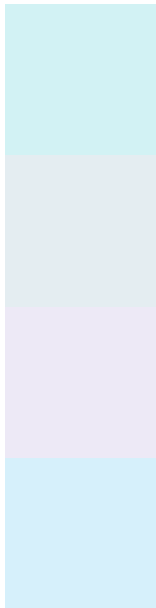
83.0849, 0.3177, 0.3104



## Tritanopia

83.7047, 0.2894, 0.3124

# Trichromacy



## Original Color

83.7376, 0.2914, 0.3268

## Protanomaly

83.4132, 0.3044, 0.3249

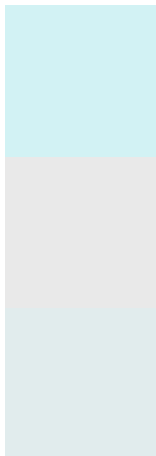
## Deuteranomaly

82.9362, 0.3073, 0.3159

## Tritanomaly

83.5814, 0.2898, 0.3175

# Monochromacy



## Original Color

83.7376, 0.2914, 0.3268

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

82.1129, 0.3049, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7376, 0.2914, 0.3268 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(210, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(210, 242, 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(210, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 242, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7376, 0.2914, 0.3268 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(210, 242, 244) }
```

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

```
.border{ border-color:rgb(210, 242, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 242, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(210, 242,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7376, 0.2914, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 242, 244) }
```

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

```
.background{ background-color: rgb(210,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor