

# Converting Colors

$Yxy(80.9116, 0.2819, 0.3257)$

Have a look what the booklet for  
Yxy(80.9116, 0.2819, 0.3257)  
contains.

<b>Yxy(80.9116, 0.2819, 0.3257)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(80.9116, 0.2819, 0.3257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2F1F4
RGB	194, 241, 244
RGB Percent	76%, 95%, 96%
CMY	0.2391, 0.0549, 0.0433
CMYK	0.20, 0.01, 0.00, 0.04
HSL	184°, 69%, 86%
HSV	184°, 20%, 96%
XYZ	70.0306, 80.9116, 97.4815
YIQ	227.2890, -28.9750, -9.0310

# Conversions

## Conversions Part 2

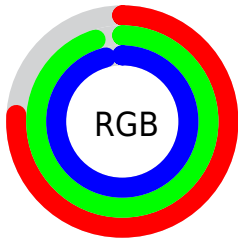
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 218, 244
Decimal	12775924
CIELab	92.09, -14.32, -6.39
CIELCh	92, 15.679, 204.067
Yxy	80.9116, 0.2819, 0.3257
Android (android.graphics.Color)	4290966004 (0xFFC2F1F4)
YUV	227.2890, 8.2385, -29.1945
Hunter-Lab	89.9509, -18.4441, -1.2881

# Details

The Yxy color **80.9116, 0.2819, 0.3257** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.0424, 0.3531, 0.3323**, and the grayscale version is **76.9946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **43.8177, 0.2747, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **77.0960, 0.2683, 0.3239**, and if you desaturate by 10%, it is **85.2705, 0.2966, 0.3274**.

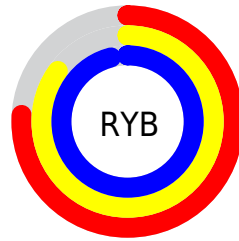
# Distribution



Red (76%)

Green (95%)

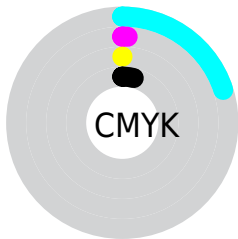
Blue (96%)



Red (76%)

Yellow (85%)

Blue (96%)

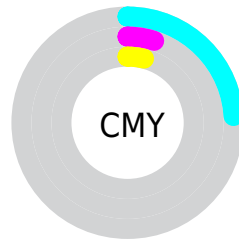


Cyan (20%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (24%)

Magenta (5%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9116, 0.2819, 0.3257 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 80.9116, 0.2819, 0.3257 by changing the saturation by 10% instead.



80.9116, 0.2819,  
0.3257

80.9116, 0.2819,  
0.3257

497.9997, 0.2958,  
0.3274

60.4688, 0.2788,  
0.3253

134.6466, 0.2866,  
0.3263

43.7966, 0.2751,  
0.3248

168.7077, 0.2885,  
0.3265

30.5106, 0.2704,  
0.3241

208.0769, 0.2901,  
0.3267

20.2265, 0.2643,  
0.3231

253.1387, 0.2915,  
0.3269

12.5598, 0.2563,  
0.3218

304.2775, 0.2928,  
0.3270

7.1261, 0.2452,  
0.3197

361.8776, 0.2939,

3.5411, 0.2286,

0.3272

0.3163

426.3236, 0.2949,  
0.3273

■ 1.4203, 0.2017,  
0.3095

■ 0.2316, 0.0000,  
0.2488

■ 80.9116, 0.2819,  
0.3257

■ 80.9116, 0.2819,  
0.3257

■ 77.0960, 0.2683,  
0.3239

■ 85.2705, 0.2966,  
0.3274

■ 73.7878, 0.2559,  
0.3220

■ 90.1868, 0.3120,  
0.3289

■ 70.9625, 0.2452,  
0.3200

■ 93.2973, 0.3198,  
0.3304

■ 68.5893, 0.2363,  
0.3180

■ 94.1757, 0.3197,  
0.3317

■ 66.6338, 0.2293,  
0.3160

■ 95.0608, 0.3196,  
0.3331

■ 65.0567, 0.2243,  
0.3140

■ 95.9529, 0.3195,  
0.3345

■ 63.8112, 0.2211,  
0.3120

■ 96.8518, 0.3194,  
0.3359

■ 62.8597, 0.2195,  
0.3101

■ 97.7576, 0.3193,  
0.3373

■ 98.6702, 0.3192,  
0.3386

# Harmonies

## Analogous

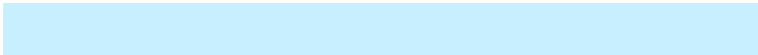
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9116, 0.2940, 0.3426



80.9116, 0.2819, 0.3257



80.9116, 0.2779, 0.3104

# Triad

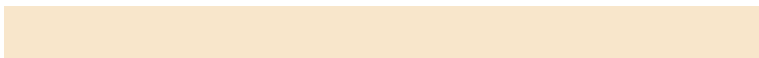
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9116, 0.2819, 0.3257



80.9116, 0.3133, 0.3041



80.9116, 0.3432, 0.3574

# Complementary

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



80.9116, 0.2819, 0.3257



63.0424, 0.3531, 0.3323

# 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.



80.9116, 0.3489, 0.3461



80.9116, 0.2819, 0.3257



80.9116, 0.3313, 0.3158

# Square

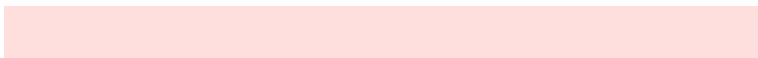
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9116, 0.2819, 0.3257



80.9116, 0.2956, 0.2985



80.9116, 0.3445, 0.3310



80.9116, 0.3294, 0.3612

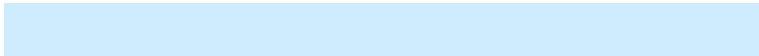


# Rectangle

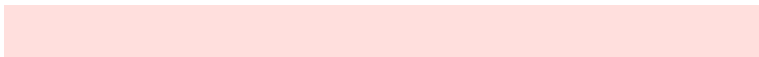
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



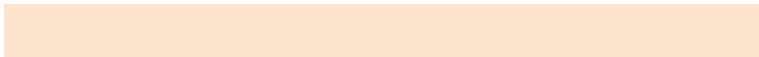
80.9116, 0.2819, 0.3257



80.9116, 0.2802, 0.3031



80.9116, 0.3445, 0.3310



80.9116, 0.3462, 0.3543

# Sweetspot

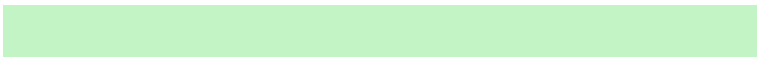
The Sweet Spot groups the original color and five complimentary colors.



80.9149, 0.2819, 0.3257



96.6366, 0.3034, 0.3281



80.1583, 0.3086, 0.3829



20.6088, 0.3024, 0.3280



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.



80.9149, 0.2819, 0.3257



87.4659, 0.2755, 0.3249



67.3656, 0.2801, 0.2983



18.5799, 0.2981, 0.3275



34.2647, 0.2196, 0.3104



3.0617, 0.2203, 0.3129



# Inverse Universe

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



64.1692, 0.3172, 0.2809



65.6102, 0.3184, 0.2700



75.0921, 0.3480, 0.3579



16.7504, 0.3147, 0.3070



13.5584, 0.3363, 0.1626

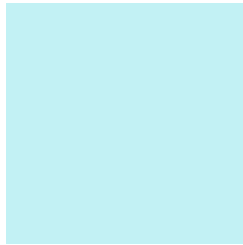


1.1967, 0.3342, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 80.9116, 0.2819, 0.3257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

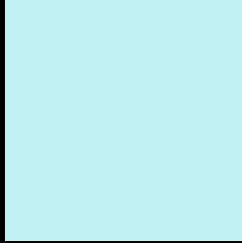
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9116, 0.2819, 0.3257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

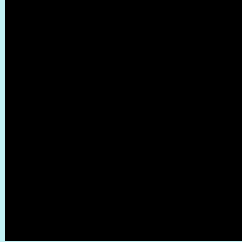
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.9116, 0.2819, 0.3257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9116, 0.2819, 0.3257.

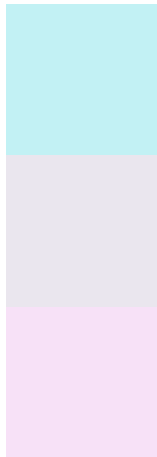


This preview shows how white text looks on a background with the Yxy color 80.9116, 0.2819, 0.3257.

# 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

80.9116, 0.2819, 0.3257

### Protanopia

80.2591, 0.3104, 0.3208

### Deuteranopia

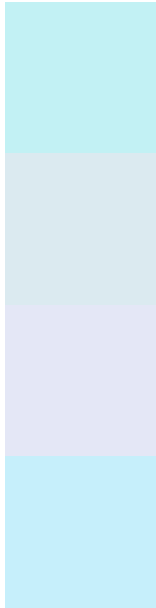
80.3400, 0.3137, 0.3071



## Tritanopia

80.7866, 0.2798, 0.3109

# Trichromacy



**Original Color**

80.9116, 0.2819, 0.3257

**Protanomaly**

80.1970, 0.2992, 0.3226

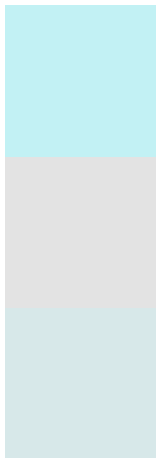
**Deuteranomaly**

80.2996, 0.3014, 0.3135

**Tritanomaly**

80.7038, 0.2803, 0.3161

# Monochromacy



**Original Color**

80.9116, 0.2819, 0.3257

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

78.0435, 0.3008, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9116, 0.2819, 0.3257 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(194, 241, 244)` looks like.

```
.text, #text, p{  
    color:rgb(194, 241, 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(194, 241, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 241, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9116, 0.2819, 0.3257 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(194, 241, 244) }
```

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

```
.border{ border-color:rgb(194, 241, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 241, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 241, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 241, 244); box-shadow:4px 4px 4px 4px rgb(194, 241, 244) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9116, 0.2819, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 241, 244) }
```

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

```
.background{ background-color: rgb(194,  
241, 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