

# Converting Colors

Yxy(81.6246, 0.2811, 0.3354)

Have a look what the booklet for  
Yxy(81.6246, 0.2811, 0.3354)  
contains.

<b>Yxy(81.4392, 0.2813, 0.3355)</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(81.4392, 0.2813, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF4EE
RGB	187, 244, 238
RGB Percent	73%, 96%, 93%
CMY	0.2666, 0.0431, 0.0666
CMYK	0.23, 0.00, 0.02, 0.04
HSL	174°, 72%, 85%
HSV	174°, 23%, 96%
XYZ	68.2827, 81.4392, 93.0179
YIQ	226.2730, -32.0460, -13.9500

# Conversions

## Conversions Part 2

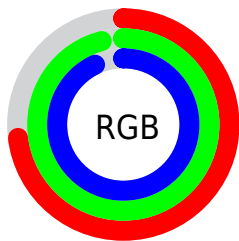
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 217, 244
Decimal	12317934
CIE <sub>Lab</sub>	92.33, -19.12, -3.00
CIE <sub>LCh</sub>	92, 19.350, 188.924
Yxy	81.4392, 0.2813, 0.3355
Android (android.graphics.Color)	4290508014 (0xFFBBF4EE)
YUV	226.2730, 5.7814, -34.4424
Hunter-Lab	90.2437, -22.8647, 2.0579

# Details

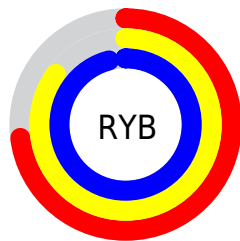
The Yxy color **81.4392, 0.2813, 0.3355** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6362, 0.3561, 0.3227**, and the grayscale version is **76.2418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **44.2494, 0.2742, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **78.4719, 0.2695, 0.3387**, and if you desaturate by 10%, it is **84.9381, 0.2942, 0.3326**.

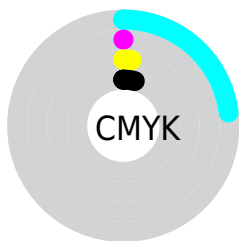
# Distribution



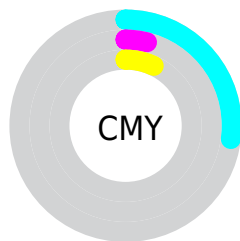
- Red (73%)
- Green (96%)
- Blue (93%)



- Red (73%)
- Yellow (85%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




- Cyan (27%)
- Magenta (4%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4392, 0.2813, 0.3355 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 81.4392, 0.2813, 0.3355 by changing the saturation by 10% instead.



 81.4392, 0.2813,  
0.3355

 81.4392, 0.2813,  
0.3355

499.7699, 0.2955,  
0.3327

 60.9034, 0.2782,  
0.3361


 135.3873, 0.2861,  
0.3346

 44.1472, 0.2743,  
0.3368


169.5684, 0.2880,  
0.3342

 30.7863, 0.2695,  
0.3377


209.0666, 0.2897,  
0.3338

 20.4361, 0.2633,  
0.3388

254.2665, 0.2911,  
0.3336

 12.7125, 0.2551,  
0.3403

305.5524, 0.2924,  
0.3333

 7.2309, 0.2436,  
0.3421


363.3086, 0.2935,


 3.6069, 0.2265,


0.3331


0.3447

427.9197, 0.2946,  
0.3329


 1.4562, 0.1985,  
0.3481


 0.2576, 0.0000,  
0.3444


 81.4392, 0.2813,  
0.3355

 81.4392, 0.2813,  
0.3355


 78.4719, 0.2695,  
0.3387


 84.9381, 0.2942,  
0.3326


 75.9998, 0.2590,  
0.3420

 88.9833, 0.3080,  
0.3299

 73.9976, 0.2503,  
0.3455

 92.5960, 0.3188,  
0.3274

 72.4336, 0.2433,  
0.3491

 92.7543, 0.3173,  
0.3249

■ 71.2721, 0.2383,  
0.3528

■ 92.9148, 0.3157,  
0.3224

■ 70.4721, 0.2353,  
0.3565

■ 93.0774, 0.3142,  
0.3200

■ 69.9835, 0.2341,  
0.3601

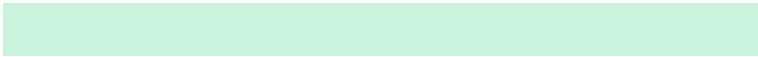
■ 93.1804, 0.3132,  
0.3185

■ 69.7814, 0.2340,  
0.3625

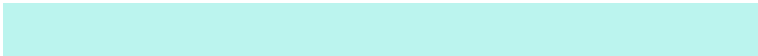
# Harmonies

## Analogous

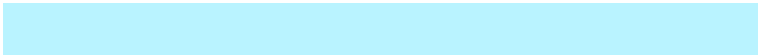
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4392, 0.2999, 0.3551



81.4392, 0.2813, 0.3355



81.4392, 0.2712, 0.3148

# Triad

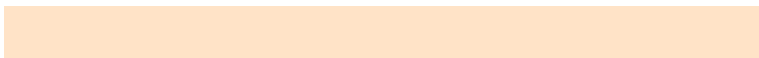
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4392, 0.2813, 0.3355



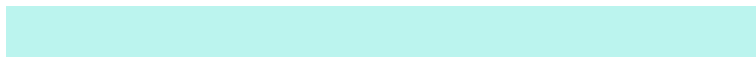
81.4392, 0.3019, 0.2941



81.4392, 0.3553, 0.3576

# Complementary

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



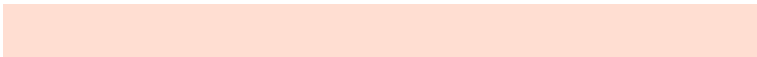
81.4392, 0.2813, 0.3355



58.6362, 0.3561, 0.3227

# 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.



81.4392, 0.3562, 0.3407



81.4392, 0.2813, 0.3355



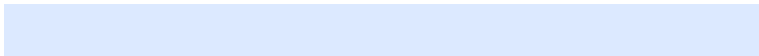
81.4392, 0.3247, 0.3049

# Square

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



81.4392, 0.2813, 0.3355



81.4392, 0.2827, 0.2918



81.4392, 0.3448, 0.3216

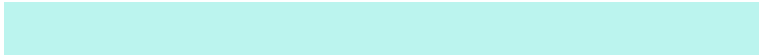


81.4392, 0.3428, 0.3677

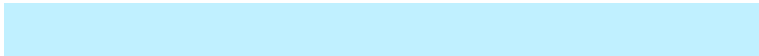


# Rectangle

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



81.4392, 0.2813, 0.3355



81.4392, 0.2703, 0.3034



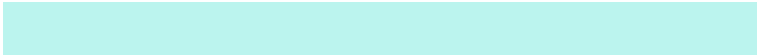
81.4392, 0.3448, 0.3216



81.4392, 0.3570, 0.3525

# Sweetspot

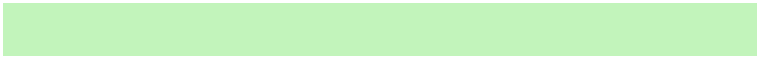
The Sweet Spot groups the original color and five complimentary colors.



81.4425, 0.2813, 0.3355



96.6501, 0.3029, 0.3308



79.7158, 0.3139, 0.3941



20.6284, 0.3020, 0.3310



0.0000, 0.0000, 0.0000

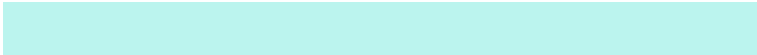


21.4041, 0.3127, 0.3290

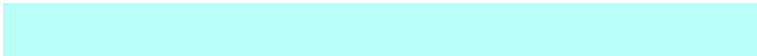


# Same Dimension

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



81.4425, 0.2813, 0.3355



88.4072, 0.2756, 0.3370



69.4273, 0.2762, 0.3044



18.7260, 0.2995, 0.3315



37.9560, 0.2339, 0.3619



3.3444, 0.2326, 0.3574



# Inverse Universe

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



58.6362, 0.3561, 0.3227



59.1411, 0.3679, 0.3213



68.3574, 0.3559, 0.3524



16.5108, 0.3277, 0.3265



10.5068, 0.6278, 0.3232



0.9327, 0.6034, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 81.4392, 0.2813, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

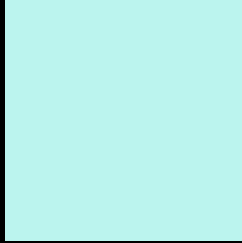
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4392, 0.2813, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

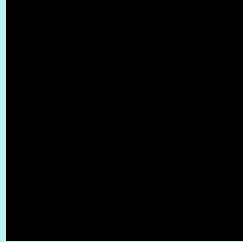
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.4392, 0.2813, 0.3355**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4392, 0.2813, 0.3355.



This preview shows how white text looks on a background with the Yxy color 81.4392, 0.2813, 0.3355.

# 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





## Tritanopia

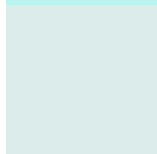
81.2324, 0.2793, 0.3119

# Trichromacy



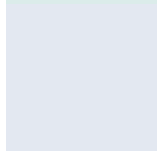
## Original Color

81.4392, 0.2813, 0.3355



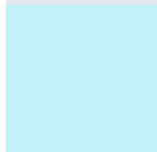
## Protanomaly

80.9915, 0.3028, 0.3311



## Deuteranomaly

80.3950, 0.3038, 0.3196



## Tritanomaly

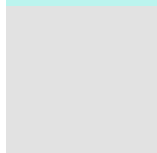
81.3522, 0.2798, 0.3203

# Monochromacy



## Original Color

81.4392, 0.2813, 0.3355



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

77.9880, 0.3006, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4392, 0.2813, 0.3355 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(187, 244, 238)` looks like.

```
.text, #text, p{  
    color:rgb(187, 244, 238)  
}
```

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(187, 244, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 244, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4392, 0.2813, 0.3355 is called "border". The border property can be set on classes, ids or directly on the HTML element.

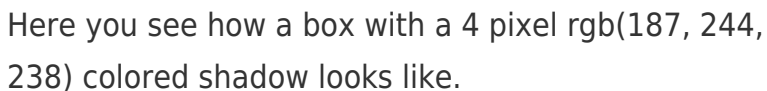
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 244, 238) }
```

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

```
.border{ border-color:rgb(187, 244, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 244, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 244, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 244, 238); box-shadow:4px 4px 4px 4px rgb(187, 244, 238) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4392, 0.2813, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 244, 238) }
```

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

```
.background{ background-color: rgb(187,  
244, 238) }
```

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