

# Converting Colors

$Yxy(80.7892, 0.2762, 0.3312)$

Have a look what the booklet for  
Yxy(80.7892, 0.2762, 0.3312)  
contains.

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# Color

**Yxy(80.9359, 0.2759, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5F4F2
RGB	181, 244, 242
RGB Percent	71%, 96%, 95%
CMY	0.2900, 0.0432, 0.0510
CMYK	0.26, 0.00, 0.01, 0.04
HSL	178°, 74%, 83%
HSV	178°, 26%, 96%
XYZ	67.4425, 80.9359, 96.0671
YIQ	224.9350, -36.9060, -13.9780

# Conversions

## Conversions Part 2

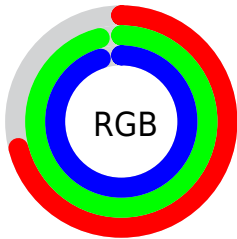
Format	Color
R <sub>Y</sub> B	181, 213, 244
Decimal	11924722
CIE Lab	92.10, -20.00, -5.44
CIE LCh	92, 20.722, 195.216
Yxy	80.9359, 0.2759, 0.3311
Android (android.graphics.Color)	4290114802 (0xFFB5F4F2)
YUV	224.9350, 8.4130, -38.5310
Hunter-Lab	89.9644, -23.6237, -0.3368

# Details

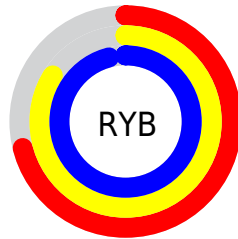
The Yxy color **80.9359, 0.2759, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.7245, 0.3661, 0.3270**, and the grayscale version is **75.2137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **43.9472, 0.2676, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **78.1957, 0.2637, 0.3320**, and if you desaturate by 10%, it is **84.1994, 0.2894, 0.3302**.

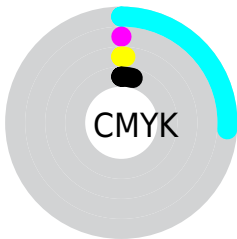
# Distribution



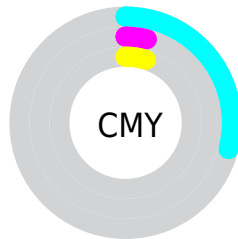
- Red (71%)
- Green (96%)
- Blue (95%)



- Red (71%)
- Yellow (84%)
- Blue (96%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




- Cyan (29%)
- Magenta (4%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9359, 0.2759, 0.3311 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 80.9359, 0.2759, 0.3311 by changing the saturation by 10% instead.





 80.9359, 0.2759,  
0.3311

 80.9359, 0.2759,  
0.3311


498.0813, 0.2925,  
0.3304

 60.4888, 0.2722,  
0.3312


 134.6808, 0.2816,  
0.3309

 43.8127, 0.2677,  
0.3313


168.7473, 0.2838,  
0.3308

 30.5233, 0.2622,  
0.3314


208.1225, 0.2857,  
0.3307

 20.2361, 0.2550,  
0.3315

253.1907, 0.2874,  
0.3306

 12.5668, 0.2455,  
0.3315

304.3362, 0.2889,  
0.3306

 7.1309, 0.2323,  
0.3313

361.9436, 0.2902,

 3.5441, 0.2128,

0.3305

426.3972, 0.2914,  
0.3304

0.3305

1.4220, 0.1811,  
0.3278

0.2328, 0.0000,  
0.2687

80.9359, 0.2759,  
0.3311

80.9359, 0.2759,  
0.3311

78.1957, 0.2637,  
0.3320

84.1994, 0.2894,  
0.3302

75.9421, 0.2530,  
0.3330

88.0012, 0.3040,  
0.3294


74.1490, 0.2441,  
0.3340


92.3682, 0.3192,  
0.3287

72.7837, 0.2372,  
0.3351


92.5563, 0.3192,  
0.3280

 71.8097, 0.2322,  
0.3361

 92.6038, 0.3187,  
0.3272

 71.1840, 0.2291,  
0.3372


 92.6514, 0.3183,  
0.3265

 70.8535, 0.2277,  
0.3382

 92.6993, 0.3178,  
0.3257

 70.7683, 0.2274,  
0.3386

 92.7473, 0.3173,  
0.3250

 92.7956, 0.3168,  
0.3242

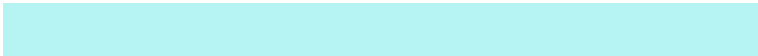
# Harmonies

## Analogous

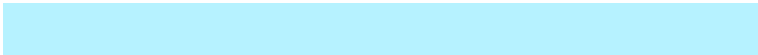
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9359, 0.2942, 0.3531



80.9359, 0.2759, 0.3311



80.9359, 0.2674, 0.3095

# Triad

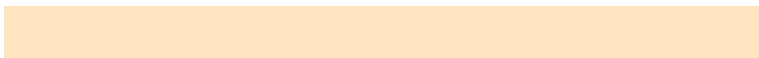
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9359, 0.2759, 0.3311



80.9359, 0.3061, 0.2934



80.9359, 0.3566, 0.3627

# Complementary

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



80.9359, 0.2759, 0.3311



55.7245, 0.3661, 0.3270

# 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.



80.9359, 0.3603, 0.3456



80.9359, 0.2759, 0.3311



80.9359, 0.3305, 0.3065

# Square

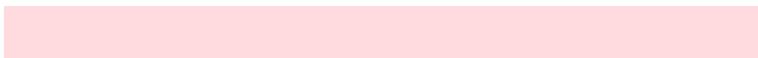
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9359, 0.2759, 0.3311



80.9359, 0.2842, 0.2888



80.9359, 0.3507, 0.3253

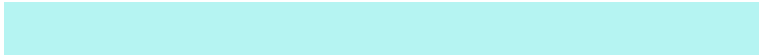


80.9359, 0.3408, 0.3714

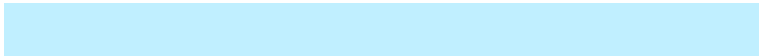


# Rectangle

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



80.9359, 0.2759, 0.3311



80.9359, 0.2680, 0.2984



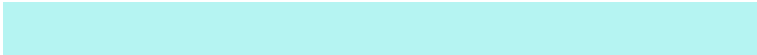
80.9359, 0.3507, 0.3253



80.9359, 0.3593, 0.3577

# Sweetspot

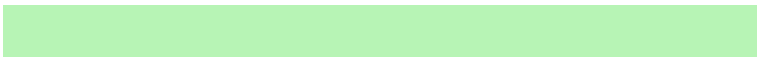
The Sweet Spot groups the original color and five complimentary colors.



80.9392, 0.2759, 0.3311



96.2925, 0.3007, 0.3296



78.1228, 0.3106, 0.4026



20.4709, 0.2984, 0.3297



0.0000, 0.0000, 0.0000

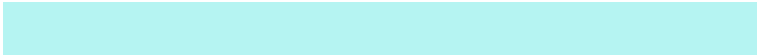


21.4041, 0.3127, 0.3290

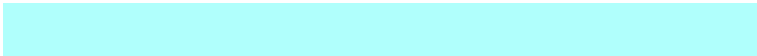


# Same Dimension

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



80.9392, 0.2759, 0.3311



87.8036, 0.2693, 0.3316



64.7716, 0.2718, 0.2953



18.7482, 0.2985, 0.3297



38.4860, 0.2274, 0.3385



3.3854, 0.2270, 0.3372



# Inverse Universe

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



55.7245, 0.3661, 0.3270



55.5240, 0.3813, 0.3266



68.8755, 0.3601, 0.3604



16.4910, 0.3289, 0.3283



10.4709, 0.6368, 0.3281

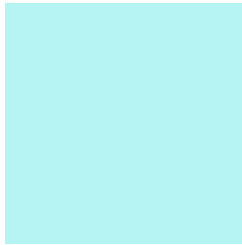


0.9232, 0.6284, 0.3235



# Previews

## White Background



This preview shows how the Yxy color 80.9359, 0.2759, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

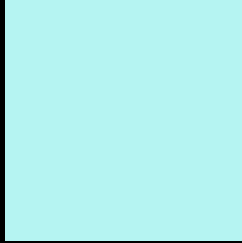
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9359, 0.2759, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

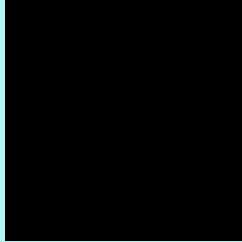
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

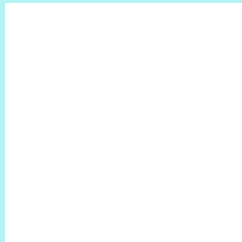
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.9359, 0.2759, 0.3311**

## Background



This preview shows how black text looks on a background with the Yxy color 80.9359, 0.2759, 0.3311.

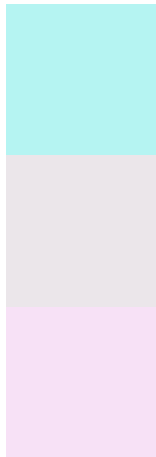


This preview shows how white text looks on a background with the Yxy color 80.9359, 0.2759, 0.3311.

# 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

80.9359, 0.2759, 0.3311

### Protanopia

80.1963, 0.3136, 0.3249

### Deuteranopia

80.2784, 0.3144, 0.3081



## Tritanopia

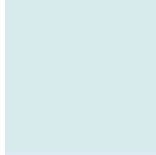
80.5551, 0.2764, 0.3118

# Trichromacy



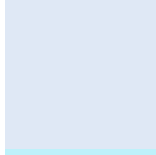
## Original Color

80.9359, 0.2759, 0.3311



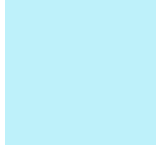
## Protanomaly

79.9782, 0.2984, 0.3268



## Deuteranomaly

79.9938, 0.2988, 0.3154



## Tritanomaly

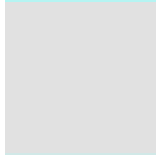
80.7599, 0.2764, 0.3191

# Monochromacy



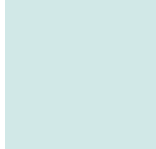
## Original Color

80.9359, 0.2759, 0.3311



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.0381, 0.2981, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9359, 0.2759, 0.3311 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(181, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(181, 244, 242)  
}
```

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(181, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 244, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9359, 0.2759, 0.3311 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(181, 244, 242) }
```

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

```
.border{ border-color:rgb(181, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(181, 244,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9359, 0.2759, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 244, 242) }
```

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

```
.background{ background-color: rgb(181,  
244, 242) }
```

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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