

# Converting Colors

$Yxy(85.5471, 0.2412, 0.2577)$

Have a look what the booklet for  
Yxy(85.5471, 0.2412, 0.2577)  
contains.

<b>Yxy(80.9049, 0.2681, 0.3158)</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(80.9049, 0.2681, 0.3158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3F3FF
RGB	179, 243, 255
RGB Percent	70%, 95%, 100%
CMY	0.2982, 0.0470, 0.0000
CMYK	0.30, 0.05, 0.00, 0.00
HSL	189°, 100%, 85%
HSV	189°, 30%, 100%
XYZ	68.6846, 80.9049, 106.6008
YIQ	225.2320, -41.9960, -9.8360

# Conversions

## Conversions Part 2

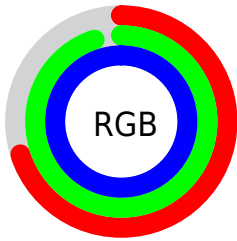
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 214, 255
Decimal	11793407
CIELab	92.09, -17.22, -12.23
CIELCh	92, 21.118, 215.395
Yxy	80.9049, 0.2681, 0.3158
Android (android.graphics.Color)	4289983487 (0xFFB3F3FF)
YUV	225.2320, 14.6756, -40.5455
Hunter-Lab	89.9472, -21.1030, -7.3045

# Details

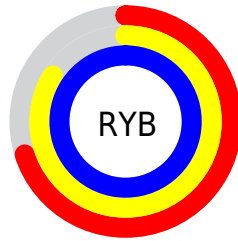
The Yxy color **80.9049, 0.2681, 0.3158** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.7551, 0.3762, 0.3417**, and the grayscale version is **75.3830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **43.9030, 0.2588, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **75.7661, 0.2548, 0.3107**, and if you desaturate by 10%, it is **86.6646, 0.2824, 0.3206**.

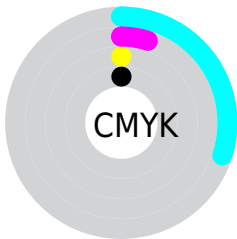
# Distribution



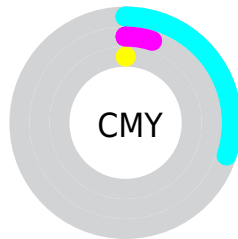
- Red (70%)
- Green (95%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9049, 0.2681, 0.3158 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 80.9049, 0.2681, 0.3158 by changing the saturation by 10% instead.



 80.9049, 0.2681,  
0.3158

 80.9049, 0.2681,  
0.3158


497.9772, 0.2880,  
0.3221

 60.4633, 0.2637,  
0.3143

 134.6372, 0.2749,  
0.3180

 43.7922, 0.2584,  
0.3124


168.6967, 0.2776,  
0.3189

 30.5071, 0.2517,  
0.3100


208.0643, 0.2799,  
0.3196

 20.2238, 0.2433,  
0.3069

253.1244, 0.2819,  
0.3203

 12.5579, 0.2322,  
0.3025

304.2613, 0.2837,  
0.3208

 7.1248, 0.2169,  
0.2960

361.8595, 0.2853,

 3.5403, 0.1948,

0.3213

0.2858

426.3033, 0.2867,  
0.3218

1.4199, 0.1604,  
0.2674

0.2313, 0.0000,  
0.1719

80.9049, 0.2681,  
0.3158

80.9049, 0.2681,  
0.3158

75.7661, 0.2548,  
0.3107

86.6646, 0.2824,  
0.3206

71.2071, 0.2429,  
0.3053

93.0645, 0.2975,  
0.3250

67.1968, 0.2326,  
0.2998

99.9999, 0.3127,  
0.3290

63.6970, 0.2242,  
0.2941

■ 60.6639, 0.2177,  
0.2884

■ 58.0454, 0.2132,  
0.2827

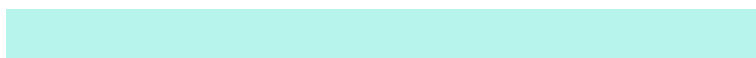
■ 55.7581, 0.2103,  
0.2771

■ 55.7174, 0.2103,  
0.2770

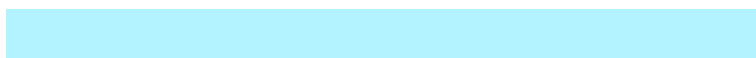
# Harmonies

## Analogous

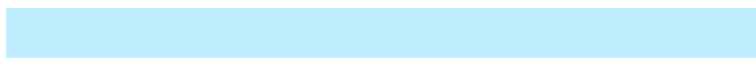
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9049, 0.2804, 0.3388



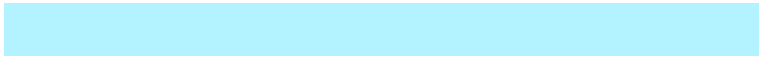
80.9049, 0.2681, 0.3158



80.9049, 0.2672, 0.2977

# Triad

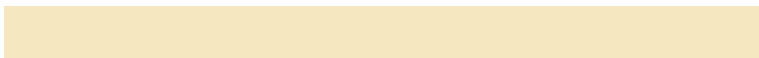
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9049, 0.2681, 0.3158



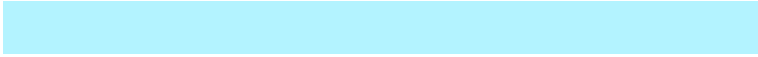
80.9049, 0.3228, 0.3009



80.9049, 0.3477, 0.3705

# Complementary

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



80.9049, 0.2681, 0.3158



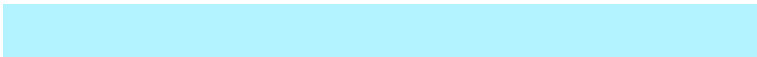
61.7551, 0.3762, 0.3417

# 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.



80.9049, 0.3602, 0.3583



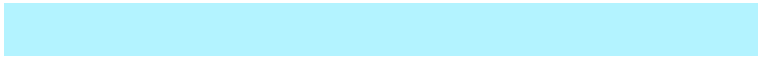
80.9049, 0.2681, 0.3158



80.9049, 0.3456, 0.3185

# Square

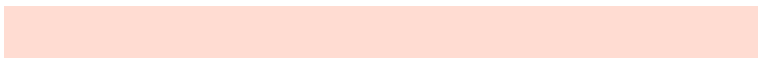
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



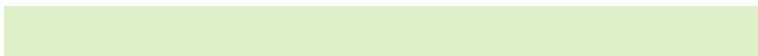
80.9049, 0.2681, 0.3158



80.9049, 0.2981, 0.2901



80.9049, 0.3595, 0.3392

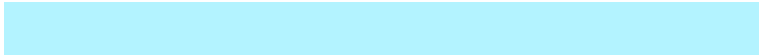


80.9049, 0.3260, 0.3715

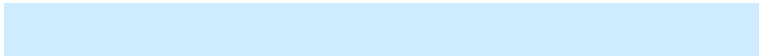


# Rectangle

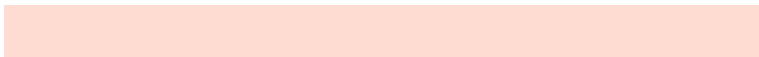
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9049, 0.2681, 0.3158



80.9049, 0.2732, 0.2906



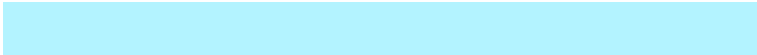
80.9049, 0.3595, 0.3392



80.9049, 0.3532, 0.3675

# Sweetspot

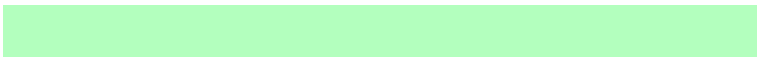
The Sweet Spot groups the original color and five complimentary colors.



80.9081, 0.2681, 0.3158



93.6174, 0.2988, 0.3254



84.8328, 0.3026, 0.4031



19.8282, 0.2965, 0.3248



0.0000, 0.0000, 0.0000

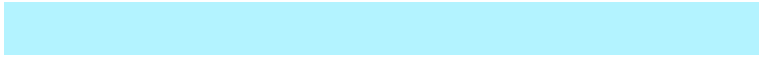


21.4041, 0.3127, 0.3290

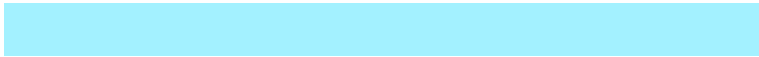


# Same Dimension

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



80.9081, 0.2681, 0.3158



77.6589, 0.2597, 0.3127



60.7401, 0.2633, 0.2729



19.9649, 0.2980, 0.3252



29.2970, 0.2105, 0.2779



2.9778, 0.2123, 0.2844



# Inverse Universe

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



59.9592, 0.3254, 0.2653



53.8481, 0.3286, 0.2521



80.2135, 0.3652, 0.3793



18.2483, 0.3162, 0.3092



13.6855, 0.3654, 0.1786

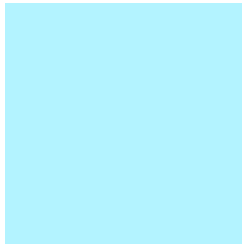


1.3452, 0.3595, 0.1754



# Previews

## White Background



This preview shows how the Yxy color 80.9049, 0.2681, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

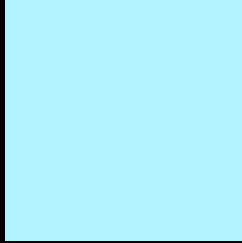
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9049, 0.2681, 0.3158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

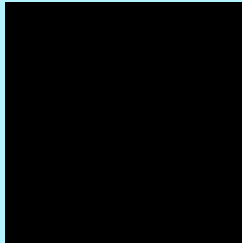
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.9049, 0.2681, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9049, 0.2681, 0.3158.

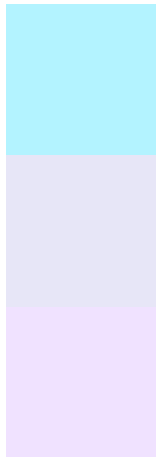


This preview shows how white text looks on a background with the Yxy color 80.9049, 0.2681, 0.3158.

# 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

80.9049, 0.2681, 0.3158

### Protanopia

80.2980, 0.3028, 0.3116

### Deuteranopia

80.1380, 0.3039, 0.3000



## Tritanopia

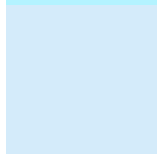
80.8776, 0.2754, 0.3128

# Trichromacy



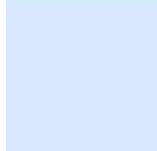
## Original Color

80.9049, 0.2681, 0.3158



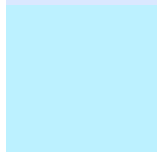
## Protanomaly

80.3158, 0.2890, 0.3132



## Deuteranomaly

79.8387, 0.2897, 0.3051



## Tritanomaly

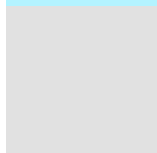
80.8220, 0.2727, 0.3138

# Monochromacy



## Original Color

80.9049, 0.2681, 0.3158



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.1793, 0.2945, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9049, 0.2681, 0.3158 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(179, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 243, 255)  
}
```

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(179, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9049, 0.2681, 0.3158 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(179, 243, 255) }
```

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

```
.border{ border-color:rgb(179, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9049, 0.2681, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 243, 255) }
```

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

```
.background{ background-color: rgb(179,  
243, 255) }
```

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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