

# Converting Colors

$Yxy(88.7021, 0.2277, 0.2263)$

Have a look what the booklet for  
Yxy(88.7021, 0.2277, 0.2263)  
contains.

|  |    |
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# **Color**

**Yxy(80.5480, 0.2690, 0.3147)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | B5F2FF                      |
| RGB         | 181, 242, 255               |
| RGB Percent | 71%, 95%, 100%              |
| CMY         | 0.2904, 0.0509, 0.0000      |
| CMYK        | 0.29, 0.05, 0.00, 0.00      |
| HSL         | 191°, 100%, 85%             |
| HSV         | 191°, 29%, 100%             |
| XYZ         | 68.8510, 80.5480, 106.5527  |
| YIQ         | 225.2430, -40.5290, -8.8890 |

# Conversions

## Conversions Part 2

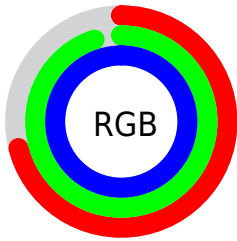
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 181, 214, 255                  |
| Decimal                             | 11924223                       |
| CIE <sub>Lab</sub>                  | 91.93, -16.17, -12.48          |
| CIE <sub>LCh</sub>                  | 92, 20.421, 217.658            |
| Yxy                                 | 80.5480, 0.2690,<br>0.3147     |
| Android<br>(android.graphics.Color) | 4290114303<br>(0xFFB5F2FF)     |
| YUV                                 | 225.2430, 14.6702,<br>-38.8011 |
| Hunter-Lab                          | 89.7485, -20.1228,<br>-7.5672  |

# Details

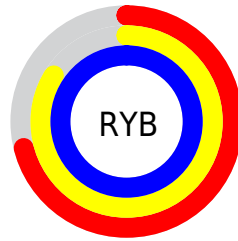
The Yxy color **80.5480, 0.2690, 0.3147** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.1438, 0.3737, 0.3427**, and the grayscale version is **75.3850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **43.6306, 0.2598, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **75.1154, 0.2555, 0.3091**, and if you desaturate by 10%, it is **86.6119, 0.2835, 0.3200**.

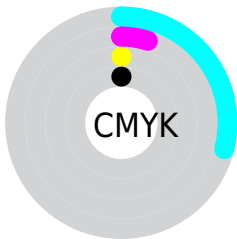
# Distribution



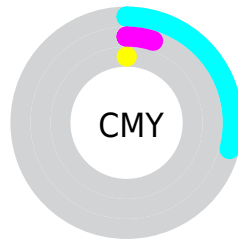
- Red (71%)
- Green (95%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5480, 0.2690, 0.3147 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 80.5480, 0.2690, 0.3147 by changing the saturation by 10% instead.





 80.5480, 0.2690,  
0.3147

 80.5480, 0.2690,  
0.3147


496.7777, 0.2886,  
0.3215

 60.1694, 0.2647,  
0.3131


 134.1359, 0.2757,  
0.3171

 43.5552, 0.2594,  
0.3111


168.1140, 0.2783,  
0.3180

 30.3210, 0.2529,  
0.3086


207.3941, 0.2806,  
0.3188

 20.0823, 0.2446,  
0.3052

252.3605, 0.2826,  
0.3195

 12.4549, 0.2337,  
0.3005

303.3977, 0.2843,  
0.3201

 7.0543, 0.2186,  
0.2937

360.8900, 0.2859,

 3.4961, 0.1968,

0.3206

0.2830

425.2219, 0.2873,  
0.3211

1.3959, 0.1627,  
0.2639

0.2137, 0.0000,  
0.1612

80.5480, 0.2690,  
0.3147

80.5480, 0.2690,  
0.3147

75.1154, 0.2555,  
0.3091

86.6119, 0.2835,  
0.3200

70.2796, 0.2432,  
0.3031

93.3328, 0.2987,  
0.3249

66.0073, 0.2326,  
0.2969

100.0000, 0.3127,  
0.3290

62.2607, 0.2238,  
0.2905

■ 58.9961, 0.2169,  
0.2841

■ 56.1623, 0.2120,  
0.2777

■ 53.6834, 0.2088,  
0.2714

■ 53.4558, 0.2086,  
0.2708

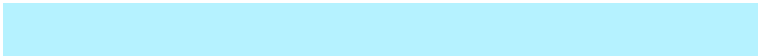
# Harmonies

## Analogous

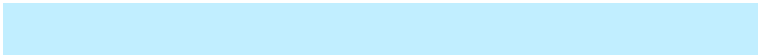
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5480, 0.2801, 0.3368



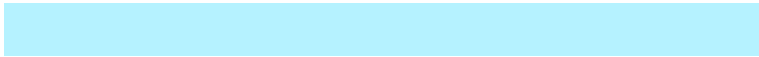
80.5480, 0.2690, 0.3147



80.5480, 0.2690, 0.2977

# Triad

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



80.5480, 0.2690, 0.3147



80.5480, 0.3244, 0.3029



80.5480, 0.3453, 0.3697

# Complementary

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



80.5480, 0.2690, 0.3147



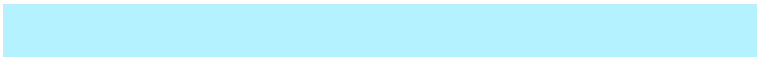
63.1438, 0.3737, 0.3427

# 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.



80.5480, 0.3582, 0.3586



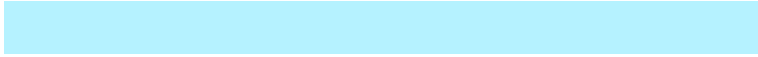
80.5480, 0.2690, 0.3147



80.5480, 0.3460, 0.3203

# Square

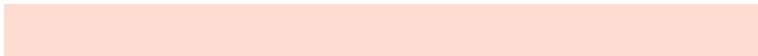
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



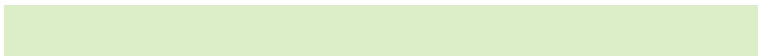
80.5480, 0.2690, 0.3147



80.5480, 0.3003, 0.2918



80.5480, 0.3585, 0.3405

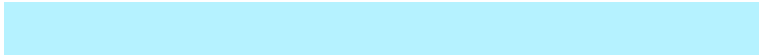


80.5480, 0.3239, 0.3697

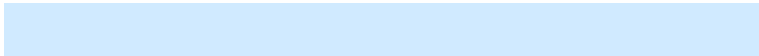


# Rectangle

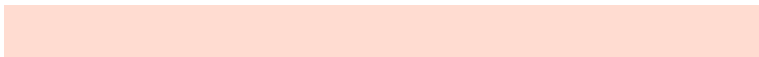
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



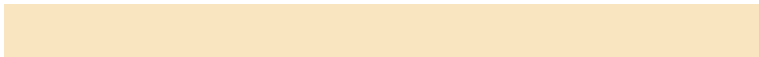
80.5480, 0.2690, 0.3147



80.5480, 0.2754, 0.2913



80.5480, 0.3585, 0.3405



80.5480, 0.3508, 0.3671

# Sweetspot

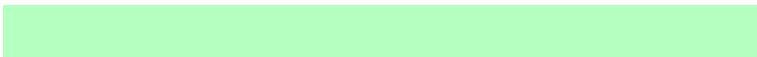
The Sweet Spot groups the original color and five complimentary colors.



80.5491, 0.2690, 0.3147



93.3635, 0.2988, 0.3250



85.1993, 0.3022, 0.3994



19.7653, 0.2965, 0.3243



0.0000, 0.0000, 0.0000

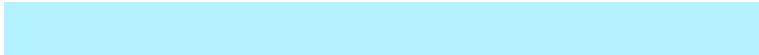


21.4041, 0.3127, 0.3290

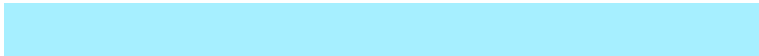


# Same Dimension

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



80.5491, 0.2690, 0.3147



77.2387, 0.2608, 0.3114



60.9991, 0.2645, 0.2731



19.9076, 0.2980, 0.3247



28.1297, 0.2089, 0.2719



2.8747, 0.2109, 0.2791



# Inverse Universe

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



60.6946, 0.3260, 0.2682



54.6944, 0.3294, 0.2557



81.3617, 0.3633, 0.3791



18.2425, 0.3165, 0.3096



13.5677, 0.3710, 0.1818

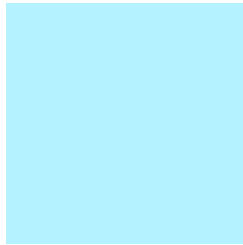


1.3347, 0.3643, 0.1781



# Previews

## White Background



This preview shows how the Yxy color 80.5480, 0.2690, 0.3147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

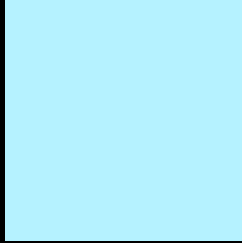
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5480, 0.2690, 0.3147 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 80.5480, 0.2690, 0.3147**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.5480, 0.2690, 0.3147.

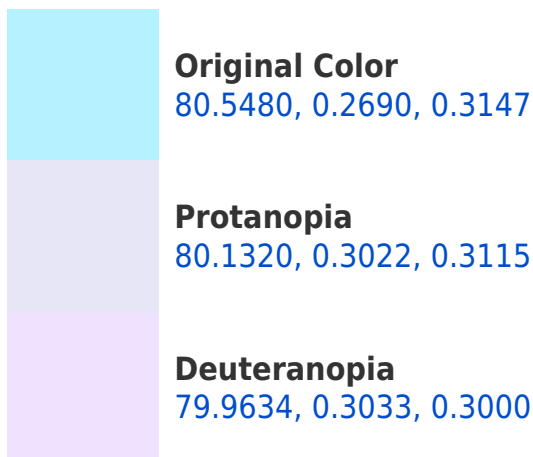


This preview shows how white text looks on a background with the Yxy color 80.5480, 0.2690, 0.3147.

# 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

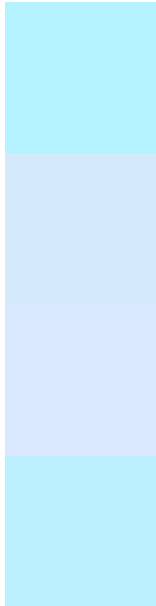




## Tritanopia

80.2905, 0.2753, 0.3117

# Trichromacy



**Original Color**

80.5480, 0.2690, 0.3147

**Protanomaly**

79.7448, 0.2889, 0.3121

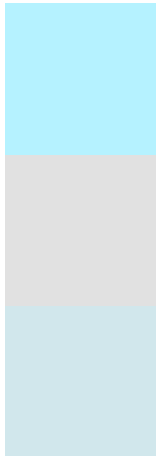
**Deuteranomaly**

79.8387, 0.2897, 0.3051

**Tritanomaly**

80.3590, 0.2732, 0.3127

# Monochromacy



**Original Color**

80.5480, 0.2690, 0.3147

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

76.7633, 0.2951, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5480, 0.2690, 0.3147 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 242, 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(181, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5480, 0.2690, 0.3147 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, 242, 255) }
```

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

```
.border{ border-color:rgb(181, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5480, 0.2690, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 242, 255) }
```

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

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