

# Converting Colors

$Yxy(80.2854, 0.2684, 0.3145)$

Have a look what the booklet for  
Yxy(80.2854, 0.2684, 0.3145)  
contains.

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# Color

**Yxy(80.4276, 0.2685, 0.3147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4F2FF
RGB	180, 242, 255
RGB Percent	71%, 95%, 100%
CMY	0.2942, 0.0509, 0.0000
CMYK	0.29, 0.05, 0.00, 0.00
HSL	190°, 100%, 85%
HSV	190°, 29%, 100%
XYZ	68.6203, 80.4276, 106.5212
YIQ	224.9440, -41.1250, -9.1010

# Conversions

## Conversions Part 2

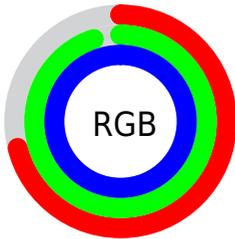
Format	Color
R <sub>Y</sub> B	180, 214, 255
Decimal	11858687
CIE Lab	91.88, -16.44, -12.55
CIE LCh	92, 20.680, 217.361
Yxy	80.4276, 0.2685, 0.3147
Android (android.graphics.Color)	4290048767 (0xFFB4F2FF)
YUV	224.9440, 14.8176, -39.4159
Hunter-Lab	89.6814, -20.3621, -7.6461

# Details

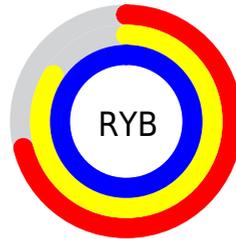
The Yxy color **80.4276, 0.2685, 0.3147** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6781, 0.3748, 0.3428**, and the grayscale version is **75.1642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **43.5550, 0.2592, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **75.0499, 0.2550, 0.3091**, and if you desaturate by 10%, it is **86.4369, 0.2830, 0.3200**.

# Distribution



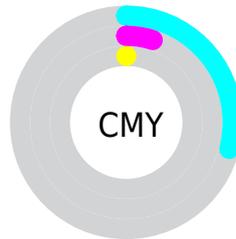
- Red (71%)
- Green (95%)
- Blue (100%)



- 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 80.4276, 0.2685, 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 80.4276, 0.2685, 0.3147 by changing the saturation by 10% instead.



80.4276, 0.2685,  
0.3147

80.4276, 0.2685,  
0.3147

496.3727, 0.2883,  
0.3215

60.0703, 0.2641,  
0.3131

133.9667, 0.2752,  
0.3171

43.4753, 0.2588,  
0.3111

167.9174, 0.2779,  
0.3180

30.2582, 0.2522,  
0.3085

207.1679, 0.2802,  
0.3188

20.0347, 0.2438,  
0.3051

252.1027, 0.2822,  
0.3195

12.4202, 0.2328,  
0.3005

303.1062, 0.2840,  
0.3201

7.0306, 0.2176,  
0.2936

360.5628, 0.2856,

3.4812, 0.1955,

0.3206

0.2828

424.8568, 0.2870,  
0.3211

■ 1.3878, 0.1611,  
0.2635

■ 0.2077, 0.0000,  
0.1576

■ 80.4276, 0.2685,  
0.3147

■ 80.4276, 0.2685,  
0.3147

■ 75.0499, 0.2550,  
0.3091

■ 86.4369, 0.2830,  
0.3200

■ 70.2647, 0.2429,  
0.3032

■ 93.0990, 0.2981,  
0.3248

■ 66.0401, 0.2323,  
0.2970

100.0000, 0.3127,  
0.3290

■ 62.3379, 0.2236,  
0.2908

■ 59.1146, 0.2169,  
0.2844

■ 56.3184, 0.2121,  
0.2782

■ 53.8698, 0.2089,  
0.2720

■ 53.7336, 0.2088,  
0.2716

# Harmonies

## Analogous

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



80.4276, 0.2799, 0.3371



80.4276, 0.2685, 0.3147



80.4276, 0.2684, 0.2974

# Triad

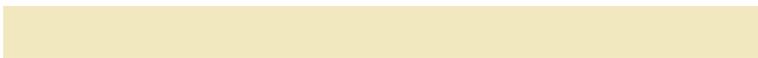
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4276, 0.2685, 0.3147



80.4276, 0.3243, 0.3024



80.4276, 0.3459, 0.3702

# Complementary

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



80.4276, 0.2685, 0.3147



62.6781, 0.3748, 0.3428

# 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.



80.4276, 0.3589, 0.3588



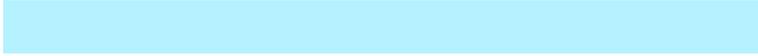
80.4276, 0.2685, 0.3147



80.4276, 0.3462, 0.3200

# Square

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



80.4276, 0.2685, 0.3147



80.4276, 0.2999, 0.2913



80.4276, 0.3591, 0.3404



80.4276, 0.3242, 0.3703



# Rectangle

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



80.4276, 0.2685, 0.3147



80.4276, 0.2748, 0.2909



80.4276, 0.3591, 0.3404



80.4276, 0.3514, 0.3675

# Sweetspot

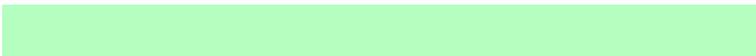
The Sweet Spot groups the original color and five complimentary colors.



80.4302, 0.2685, 0.3147



93.3950, 0.2988, 0.3250



85.0471, 0.3020, 0.4005



19.7731, 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.



80.4302, 0.2685, 0.3147



77.3539, 0.2608, 0.3116



60.5743, 0.2638, 0.2723



19.9147, 0.2980, 0.3248



28.2730, 0.2091, 0.2726



2.8874, 0.2110, 0.2797



# Inverse Universe

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



60.3032, 0.3261, 0.2672



54.7060, 0.3292, 0.2555



81.1429, 0.3640, 0.3798



18.2432, 0.3165, 0.3096



13.5821, 0.3703, 0.1814

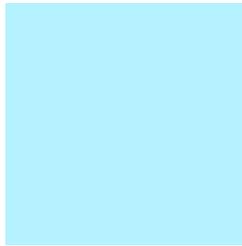


1.3360, 0.3637, 0.1777



# Previews

## White Background



This preview shows how the Yxy color 80.4276, 0.2685, 0.3147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

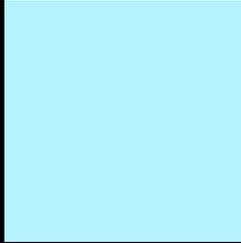
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4276, 0.2685, 0.3147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

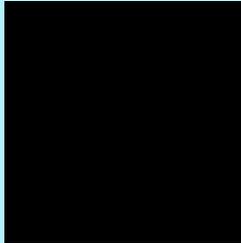
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

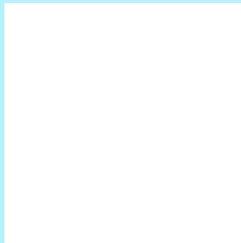
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.4276, 0.2685, 0.3147**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4276, 0.2685, 0.3147.



This preview shows how white text looks on a background with the Yxy color 80.4276, 0.2685, 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



### Original Color

80.4276, 0.2685, 0.3147

### Protanopia

79.5770, 0.3022, 0.3105

### Deuteranopia

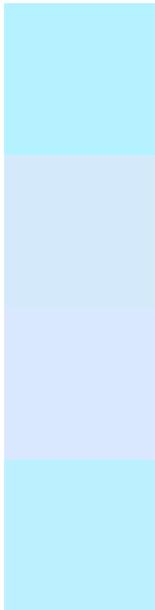
79.9634, 0.3033, 0.3000



## Tritanopia

80.1595, 0.2747, 0.3117

# Trichromacy



**Original Color**

80.4276, 0.2685, 0.3147

**Protanomaly**

79.7448, 0.2889, 0.3121

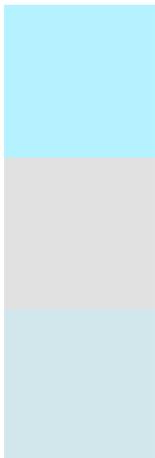
**Deuteranomaly**

79.8387, 0.2897, 0.3051

**Tritanomaly**

80.2315, 0.2726, 0.3127

# Monochromacy



**Original Color**

80.4276, 0.2685, 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 80.4276, 0.2685, 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(180, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4276, 0.2685, 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(180, 242, 255) }
```

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

```
.border{ border-color:rgb(180, 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(180, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4276, 0.2685, 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(180, 242, 255) }
```

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

```
.background{ background-color: rgb(180,  
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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