

# Converting Colors

$Yxy(82.8393, 0.2622, 0.2947)$

Have a look what the booklet for  
Yxy(82.8393, 0.2622, 0.2947)  
contains.

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# Color

**Yxy(81.2891, 0.2723, 0.3149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF2FF
RGB	187, 242, 255
RGB Percent	73%, 95%, 100%
CMY	0.2666, 0.0510, 0.0001
CMYK	0.27, 0.05, 0.00, 0.00
HSL	191°, 100%, 87%
HSV	191°, 27%, 100%
XYZ	70.2922, 81.2891, 106.5613
YIQ	227.0370, -36.9530, -7.6170

# Conversions

## Conversions Part 2

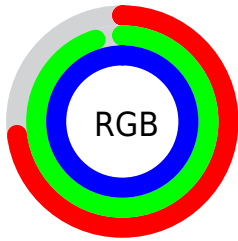
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 217, 255
Decimal	12317439
CIE Lab	92.26, -14.48, -11.91
CIE LCh	92, 18.749, 219.448
Yxy	81.2891, 0.2723, 0.3149
Android (android.graphics.Color)	4290507519 (0xFFBBF2FF)
YUV	227.0370, 13.7858, -35.1124
Hunter-Lab	90.1605, -18.6160, -6.9629

# Details

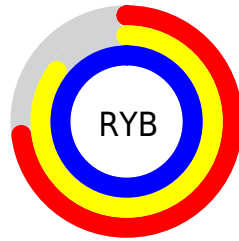
The Yxy color **81.2891, 0.2723, 0.3149** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.1350, 0.3670, 0.3426**, and the grayscale version is **76.7643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **44.1006, 0.2637, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **75.5011, 0.2584, 0.3088**, and if you desaturate by 10%, it is **87.7314, 0.2871, 0.3206**.

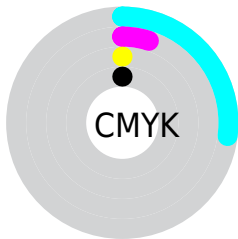
# Distribution



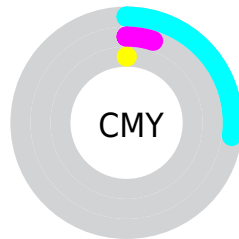
- Red (73%)
- Green (95%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2891, 0.2723, 0.3149 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 81.2891, 0.2723, 0.3149 by changing the saturation by 10% instead.



81.2891, 0.2723,  
0.3149

81.2891, 0.2723,  
0.3149

499.2666, 0.2904,  
0.3216

60.7797, 0.2683,  
0.3133

135.1766, 0.2785,  
0.3172

44.0474, 0.2635,  
0.3114

169.3236, 0.2809,  
0.3181

30.7078, 0.2574,  
0.3090

208.7852, 0.2830,  
0.3189

20.3764, 0.2498,  
0.3057

253.9458, 0.2848,  
0.3196

12.6690, 0.2396,  
0.3013

305.1899, 0.2865,  
0.3202

7.2010, 0.2257,  
0.2948

362.9018, 0.2879,

3.5881, 0.2054,

0.3207

0.2846

427.4659, 0.2892,  
0.3212

■ 1.4459, 0.1735,  
0.2667

■ 0.2502, 0.0000,  
0.1836

■ 81.2891, 0.2723,  
0.3149

■ 81.2891, 0.2723,  
0.3149

■ 75.5011, 0.2584,  
0.3088

■ 87.7314, 0.2871,  
0.3206

■ 70.3269, 0.2456,  
0.3023

■ 94.8468, 0.3024,  
0.3258

■ 65.7361, 0.2344,  
0.2956

99.9977, 0.3127,  
0.3290

■ 61.6915, 0.2249,  
0.2887

■ 58.1512, 0.2173,  
0.2817

■ 55.0657, 0.2118,  
0.2747

■ 52.3735, 0.2081,  
0.2677

■ 51.5288, 0.2071,  
0.2654

# Harmonies

## Analogous

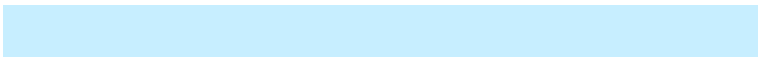
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2891, 0.2820, 0.3350



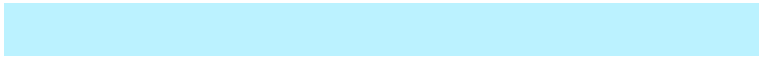
81.2891, 0.2723, 0.3149



81.2891, 0.2730, 0.2997

# Triad

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



81.2891, 0.2723, 0.3149



81.2891, 0.3247, 0.3058



81.2891, 0.3416, 0.3666

# Complementary

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



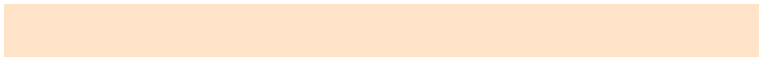
81.2891, 0.2723, 0.3149



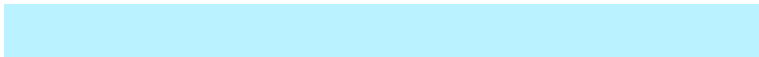
66.1350, 0.3670, 0.3426

# 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.



81.2891, 0.3539, 0.3570



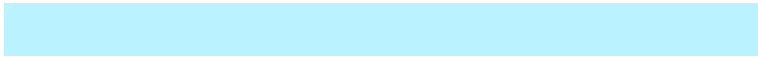
81.2891, 0.2723, 0.3149



81.2891, 0.3441, 0.3222

# Square

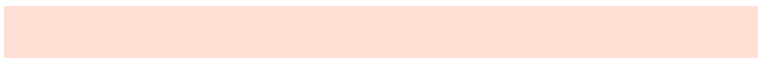
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2891, 0.2723, 0.3149



81.2891, 0.3026, 0.2952



81.2891, 0.3549, 0.3407

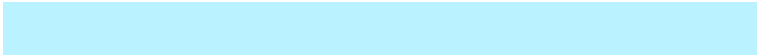


81.2891, 0.3217, 0.3657

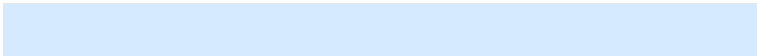


# Rectangle

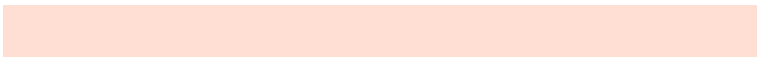
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



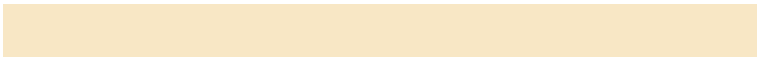
81.2891, 0.2723, 0.3149



81.2891, 0.2792, 0.2941



81.2891, 0.3549, 0.3407



81.2891, 0.3468, 0.3644

# Sweetspot

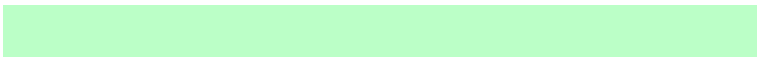
The Sweet Spot groups the original color and five complimentary colors.



81.2924, 0.2723, 0.3149



93.8775, 0.3003, 0.3251



86.2083, 0.3024, 0.3914



19.8580, 0.2980, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

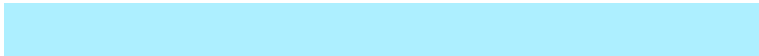


# Same Dimension

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



81.2924, 0.2723, 0.3149



78.1416, 0.2647, 0.3117



63.1542, 0.2686, 0.2771



19.8580, 0.2980, 0.3244



27.1436, 0.2074, 0.2666



2.7873, 0.2096, 0.2745



# Inverse Universe

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



63.2097, 0.3255, 0.2742



57.5589, 0.3287, 0.2631



83.3717, 0.3583, 0.3760



18.2375, 0.3167, 0.3100



13.4681, 0.3761, 0.1845

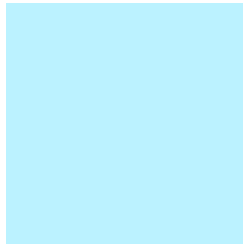


1.3259, 0.3686, 0.1804



# Previews

## White Background



This preview shows how the Yxy color 81.2891, 0.2723, 0.3149 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

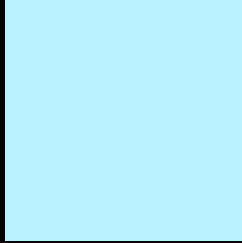
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.2891, 0.2723, 0.3149 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

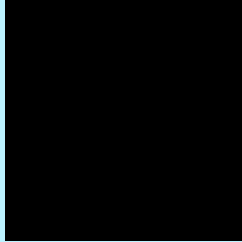
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.2891, 0.2723, 0.3149**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2891, 0.2723, 0.3149.

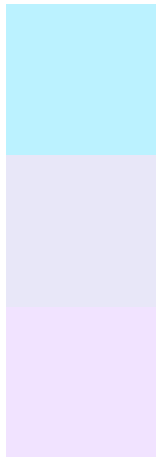


This preview shows how white text looks on a background with the Yxy color 81.2891, 0.2723, 0.3149.

# 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

81.2891, 0.2723, 0.3149

### Protanopia

81.0849, 0.3029, 0.3116

### Deuteranopia

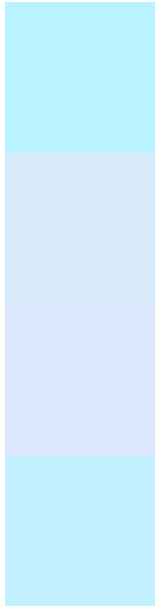
80.8589, 0.3046, 0.3011



## Tritanopia

80.9588, 0.2781, 0.3119

# Trichromacy



**Original Color**

81.2891, 0.2723, 0.3149

**Protanomaly**

80.9806, 0.2909, 0.3123

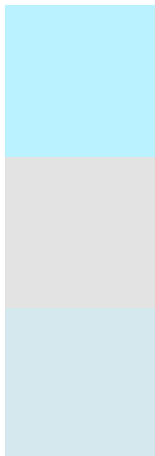
**Deuteranomaly**

80.3054, 0.2916, 0.3052

**Tritanomaly**

81.0095, 0.2760, 0.3128

# Monochromacy



**Original Color**

81.2891, 0.2723, 0.3149

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

77.8247, 0.2964, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2891, 0.2723, 0.3149 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2891, 0.2723, 0.3149 is called "border". The border property can be set on classes, ids or directly on the HTML element.

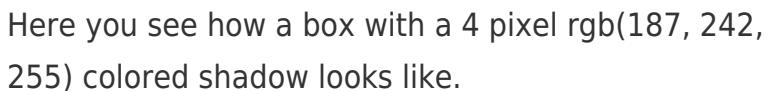
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 242, 255) }
```

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

```
.border{ border-color:rgb(187, 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(187, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 242, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 242, 255); box-shadow:4px 4px 4px 4px rgb(187, 242, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2891, 0.2723, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 242, 255) }
```

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

```
.background{ background-color: rgb(187,  
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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