

# Converting Colors

Yxy(80.8328, 0.2750, 0.3147)

Have a look what the booklet for  
Yxy(80.8328, 0.2750, 0.3147)  
contains.

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# Color

**Yxy(81.1427, 0.2749, 0.3149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF1FE
RGB	191, 241, 254
RGB Percent	75%, 95%, 100%
CMY	0.2509, 0.0549, 0.0039
CMYK	0.25, 0.05, 0.00, 0.00
HSL	192°, 97%, 87%
HSV	192°, 25%, 100%
XYZ	70.8356, 81.1427, 105.6994
YIQ	227.5320, -33.9730, -6.5570

# Conversions

## Conversions Part 2

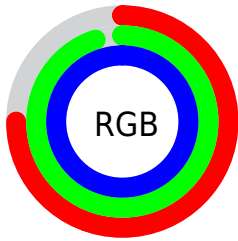
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 219, 254
Decimal	12579326
CIE Lab	92.20, -13.04, -11.49
CIE LCh	92, 17.375, 221.389
Yxy	81.1427, 0.2749, 0.3149
Android (android.graphics.Color)	4290769406 (0xFFBFF1FE)
YUV	227.5320, 13.0487, -32.0386
Hunter-Lab	90.0792, -17.2717, -6.5157

# Details

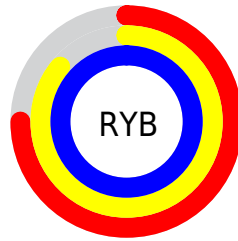
The Yxy color **81.1427, 0.2749, 0.3149** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0371, 0.3620, 0.3426**, and the grayscale version is **77.1506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **43.9634, 0.2668, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **75.0714, 0.2607, 0.3084**, and if you desaturate by 10%, it is **87.8812, 0.2899, 0.3210**.

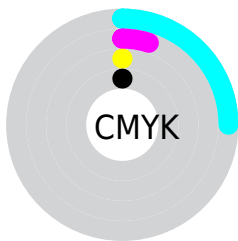
# Distribution



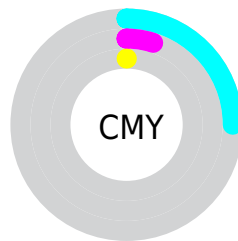
- Red (75%)
- Green (95%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1427, 0.2749, 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 81.1427, 0.2749, 0.3149 by changing the saturation by 10% instead.



81.1427, 0.2749,  
0.3149

81.1427, 0.2749,  
0.3149

498.7755, 0.2918,  
0.3215

60.6591, 0.2712,  
0.3134

134.9711, 0.2807,  
0.3172

43.9501, 0.2666,  
0.3115

169.0848, 0.2829,  
0.3181

30.6313, 0.2609,  
0.3090

208.5106, 0.2849,  
0.3189

20.3183, 0.2537,  
0.3058

253.6329, 0.2866,  
0.3196

12.6266, 0.2441,  
0.3015

304.8361, 0.2882,  
0.3201

7.1719, 0.2310,  
0.2951

362.5047, 0.2895,

3.5699, 0.2117,

0.3207

0.2852

427.0231, 0.2907,  
0.3211

■ 1.4360, 0.1811,  
0.2678

■ 0.2430, 0.0000,  
0.1849

■ 81.1427, 0.2749,  
0.3149

■ 81.1427, 0.2749,  
0.3149

■ 75.0714, 0.2607,  
0.3084

■ 87.8812, 0.2899,  
0.3210

■ 69.6271, 0.2475,  
0.3014

■ 95.3049, 0.3053,  
0.3265

■ 64.7802, 0.2358,  
0.2941

■ 99.9362, 0.3133,  
0.3299

■ 60.4946, 0.2257,  
0.2866

■ 56.7294, 0.2176,  
0.2790

■ 53.4372, 0.2114,  
0.2713

■ 50.5598, 0.2072,  
0.2637

■ 49.1835, 0.2055,  
0.2598

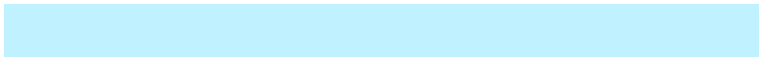
# Harmonies

## Analogous

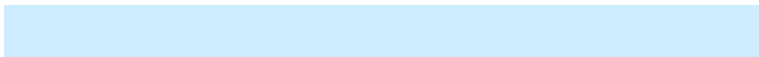
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1427, 0.2834, 0.3333



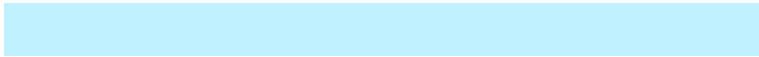
81.1427, 0.2749, 0.3149



81.1427, 0.2762, 0.3012

# Triad

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



81.1427, 0.2749, 0.3149



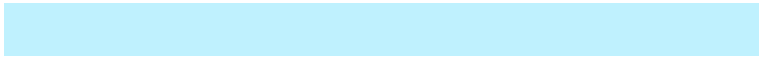
81.1427, 0.3252, 0.3083



81.1427, 0.3385, 0.3641

# Complementary

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



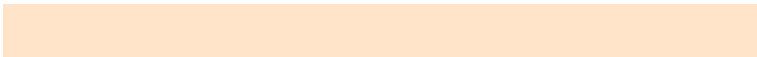
81.1427, 0.2749, 0.3149



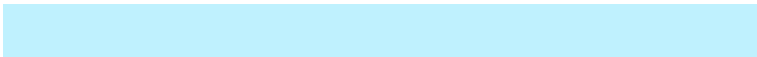
68.0371, 0.3620, 0.3426

# 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.



81.1427, 0.3505, 0.3559



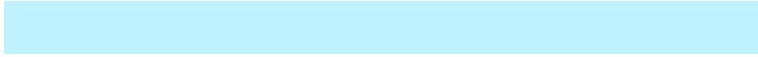
81.1427, 0.2749, 0.3149



81.1427, 0.3427, 0.3238

# Square

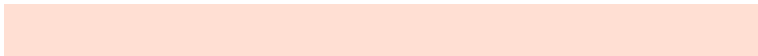
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1427, 0.2749, 0.3149



81.1427, 0.3047, 0.2980



81.1427, 0.3521, 0.3410

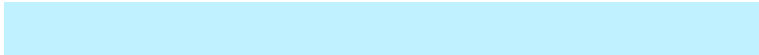


81.1427, 0.3198, 0.3626

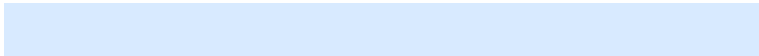


# Rectangle

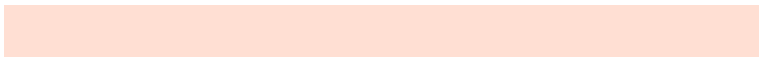
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



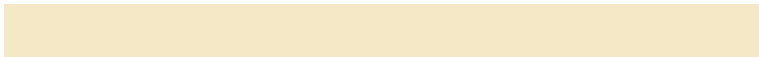
81.1427, 0.2749, 0.3149



81.1427, 0.2824, 0.2963



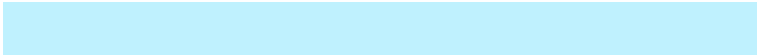
81.1427, 0.3521, 0.3410



81.1427, 0.3434, 0.3623

# Sweetspot

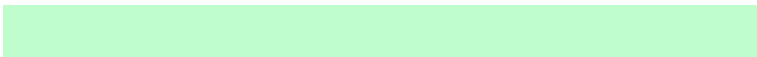
The Sweet Spot groups the original color and five complimentary colors.



81.1460, 0.2749, 0.3149



94.4406, 0.3018, 0.3253



86.3096, 0.3025, 0.3852



20.1151, 0.3009, 0.3250



0.0000, 0.0000, 0.0000

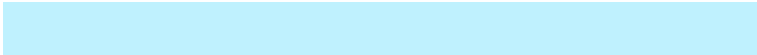


21.4041, 0.3127, 0.3290

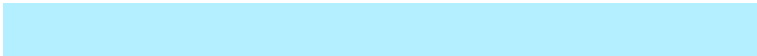


# Same Dimension

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



81.1460, 0.2749, 0.3149



78.5941, 0.2674, 0.3116



64.2900, 0.2718, 0.2800



19.8068, 0.2980, 0.3240



26.1476, 0.2059, 0.2611



2.6987, 0.2083, 0.2697



# Inverse Universe

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



64.6961, 0.3252, 0.2791



59.5439, 0.3284, 0.2684



84.3163, 0.3546, 0.3736



18.2323, 0.3170, 0.3103



13.3676, 0.3814, 0.1875

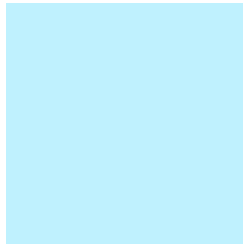


1.3170, 0.3731, 0.1829



# Previews

## White Background



This preview shows how the Yxy color 81.1427, 0.2749, 0.3149 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

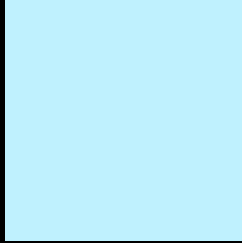
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1427, 0.2749, 0.3149 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

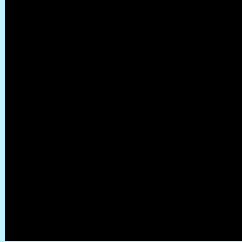
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.1427, 0.2749, 0.3149**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1427, 0.2749, 0.3149.

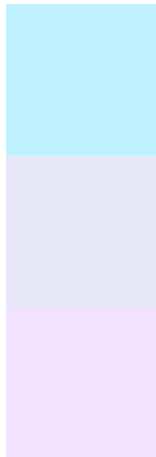


This preview shows how white text looks on a background with the Yxy color 81.1427, 0.2749, 0.3149.

# 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

81.1427, 0.2749, 0.3149

### Protanopia

81.0849, 0.3029, 0.3116

### Deuteranopia

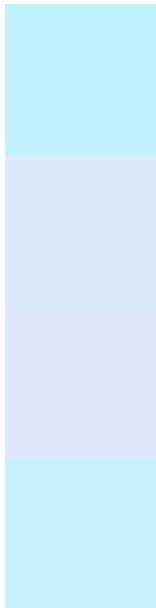
80.4900, 0.3053, 0.3001



## Tritanopia

81.2324, 0.2793, 0.3119

# Trichromacy



**Original Color**

81.1427, 0.2749, 0.3149

**Protanomaly**

81.0705, 0.2921, 0.3133

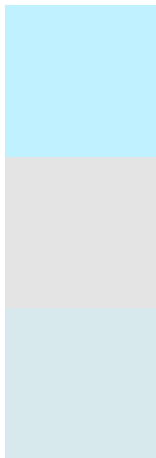
**Deuteranomaly**

80.0598, 0.2929, 0.3043

**Tritanomaly**

81.4105, 0.2777, 0.3129

# Monochromacy



**Original Color**

81.1427, 0.2749, 0.3149

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

78.8393, 0.2984, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1427, 0.2749, 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(191, 241, 254)` looks like.

```
.text, #text, p{  
    color:rgb(191, 241, 254)  
}
```

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(191, 241, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 241, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1427, 0.2749, 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(191, 241, 254) }
```

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

```
.border{ border-color:rgb(191, 241, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 241, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 241, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 241, 254);  
box-shadow:4px 4px 4px 4px rgb(191, 241,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1427, 0.2749, 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(191, 241, 254) }
```

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

```
.background{ background-color: rgb(191,  
241, 254) }
```

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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