

# Converting Colors

$Yxy(80.0400, 0.2816, 0.3126)$

Have a look what the booklet for  
Yxy(80.0400, 0.2816, 0.3126)  
contains.

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# Color

**Yxy(80.1532, 0.2819, 0.3129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAEDFC
RGB	202, 237, 252
RGB Percent	79%, 93%, 99%
CMY	0.2079, 0.0706, 0.0116
CMYK	0.20, 0.06, 0.00, 0.01
HSL	198°, 89%, 89%
HSV	198°, 20%, 99%
XYZ	72.2122, 80.1532, 103.7970
YIQ	228.2450, -25.6750, -2.7550

# Conversions

## Conversions Part 2

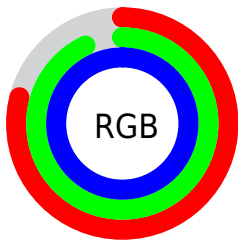
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 223, 252
Decimal	13299196
CIE Lab	91.75, -8.21, -11.05
CIE LCh	92, 13.772, 233.384
Yxy	80.1532, 0.2819, 0.3129
Android (android.graphics.Color)	4291489276 (0xFFCAEDFC)
YUV	228.2450, 11.7112, -23.0169
Hunter-Lab	89.5283, -12.6992, -6.0696

# Details

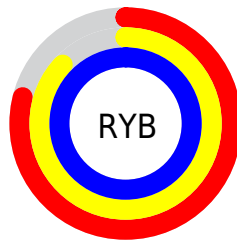
The Yxy color **80.1532, 0.2819, 0.3129** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6004, 0.3493, 0.3446**, and the grayscale version is **77.6989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1909, 0.2752, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **72.6317, 0.2667, 0.3036**, and if you desaturate by 10%, it is **88.4405, 0.2974, 0.3214**.

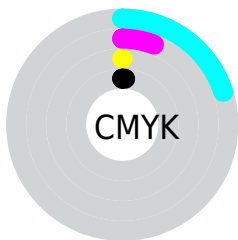
# Distribution



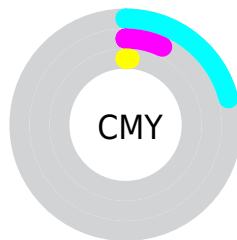
- Red (79%)
- Green (93%)
- Blue (99%)



- Red (79%)
- Yellow (87%)
- Blue (99%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (21%)
- Magenta (7%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1532, 0.2819, 0.3129 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 80.1532, 0.2819, 0.3129 by changing the saturation by 10% instead.



80.1532, 0.2819,  
0.3129

80.1532, 0.2819,  
0.3129

495.4490, 0.2958,  
0.3204

59.8444, 0.2788,  
0.3112

133.5811, 0.2866,  
0.3155

43.2933, 0.2751,  
0.3091

167.4690, 0.2885,  
0.3165

30.1153, 0.2704,  
0.3064

206.6521, 0.2901,  
0.3174

19.9261, 0.2643,  
0.3030

251.5148, 0.2915,  
0.3181

12.3413, 0.2563,  
0.2983

302.4414, 0.2928,  
0.3188

6.9766, 0.2452,  
0.2915

359.8164, 0.2939,

3.4475, 0.2288,

0.3194

0.2812

424.0241, 0.2949,  
0.3199

1.3696, 0.2021,  
0.2632

0.1941, 0.0000,  
0.1647

80.1532, 0.2819,  
0.3129

80.1532, 0.2819,  
0.3129

72.6317, 0.2667,  
0.3036

88.4405, 0.2974,  
0.3214

65.8360, 0.2521,  
0.2936

97.5120, 0.3129,  
0.3291

59.7370, 0.2385,  
0.2830

99.8112, 0.3144,  
0.3318

54.2993, 0.2263,  
0.2719

■ 49.4836, 0.2158,  
0.2604

■ 45.2452, 0.2073,  
0.2489

■ 41.5314, 0.2008,  
0.2374

■ 38.2580, 0.1962,  
0.2261

■ 38.2157, 0.1961,  
0.2259

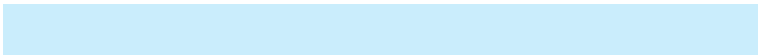
# Harmonies

## Analogous

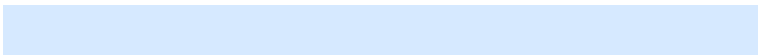
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1532, 0.2857, 0.3265



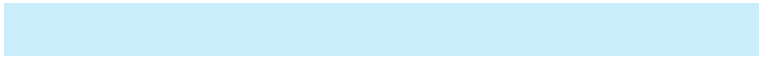
80.1532, 0.2819, 0.3129



80.1532, 0.2861, 0.3041

# Triad

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



80.1532, 0.2819, 0.3129



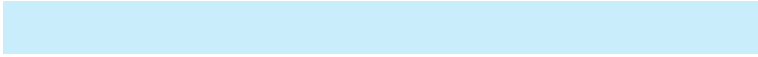
80.1532, 0.3288, 0.3171



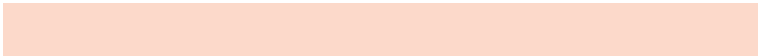
80.1532, 0.3278, 0.3573

# Complementary

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



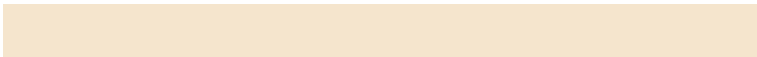
80.1532, 0.2819, 0.3129



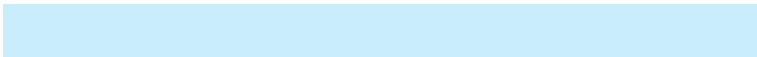
74.6004, 0.3493, 0.3446

# Split Complementary

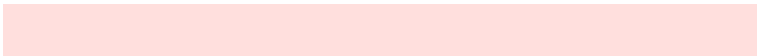
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1532, 0.3398, 0.3539



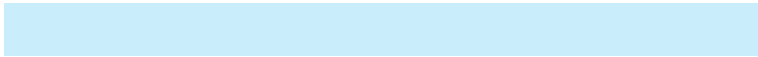
80.1532, 0.2819, 0.3129



80.1532, 0.3405, 0.3305

# Square

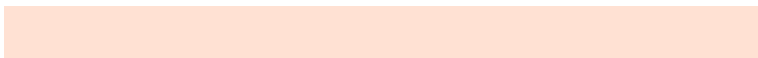
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



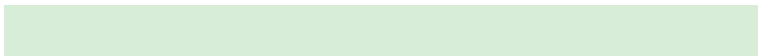
80.1532, 0.2819, 0.3129



80.1532, 0.3129, 0.3068



80.1532, 0.3445, 0.3439

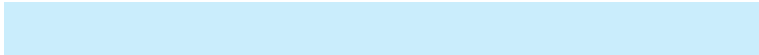


80.1532, 0.3119, 0.3527



# Rectangle

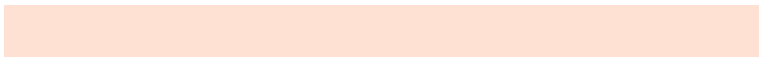
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



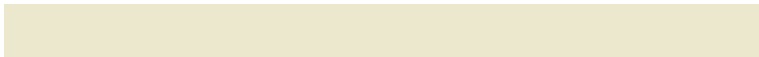
80.1532, 0.2819, 0.3129



80.1532, 0.2929, 0.3019



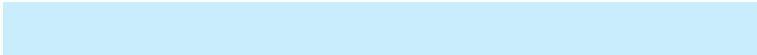
80.1532, 0.3445, 0.3439



80.1532, 0.3324, 0.3570

# Sweetspot

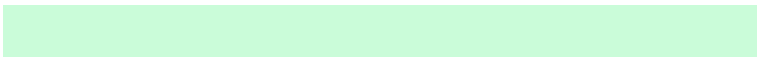
The Sweet Spot groups the original color and five complimentary colors.



80.1565, 0.2819, 0.3129



94.3157, 0.3034, 0.3245



87.2121, 0.3018, 0.3670



20.0588, 0.3024, 0.3240



0.0000, 0.0000, 0.0000

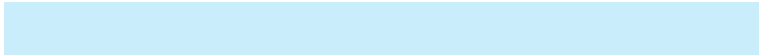


21.4041, 0.3127, 0.3290

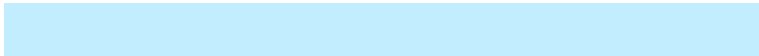


# Same Dimension

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



80.1565, 0.2819, 0.3129



79.0103, 0.2755, 0.3091



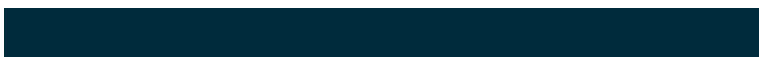
66.6662, 0.2802, 0.2853



18.6767, 0.2980, 0.3217



20.1696, 0.1966, 0.2278



2.0536, 0.2004, 0.2414



# Inverse Universe

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



69.0485, 0.3258, 0.2938



65.8467, 0.3290, 0.2862



88.4900, 0.3446, 0.3692



17.4305, 0.3184, 0.3125



12.4470, 0.4149, 0.2059

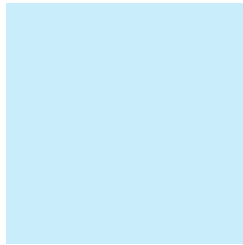


1.1715, 0.4009, 0.1982



# Previews

## White Background



This preview shows how the Yxy color 80.1532, 0.2819, 0.3129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

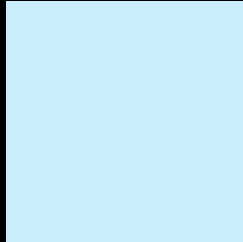
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1532, 0.2819, 0.3129 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 80.1532, 0.2819, 0.3129**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1532, 0.2819, 0.3129.

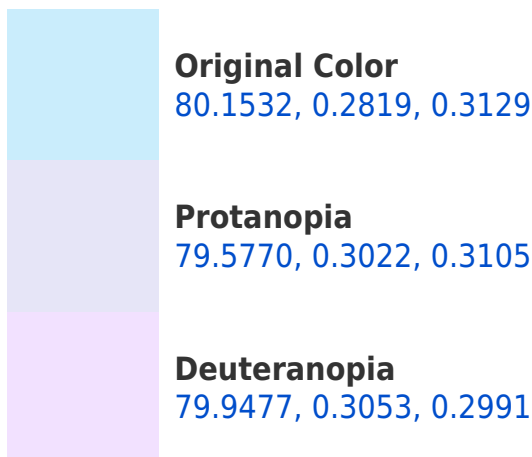


This preview shows how white text looks on a background with the Yxy color 80.1532, 0.2819, 0.3129.

# 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

79.9074, 0.2808, 0.3088

# Trichromacy



## Original Color

80.1532, 0.2819, 0.3129

## Protanomaly

79.7684, 0.2945, 0.3113

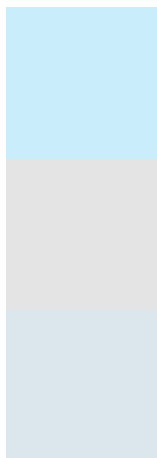
## Deuteranomaly

79.5253, 0.2960, 0.3034

## Tritanomaly

79.8432, 0.2814, 0.3098

# Monochromacy



## Original Color

80.1532, 0.2819, 0.3129

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.3263, 0.3010, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1532, 0.2819, 0.3129 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(202, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(202, 237, 252)  
}
```

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(202, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 237, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1532, 0.2819, 0.3129 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(202, 237, 252) }
```

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

```
.border{ border-color:rgb(202, 237, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 237, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(202, 237,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1532, 0.2819, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 237, 252) }
```

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

```
.background{ background-color: rgb(202,  
237, 252) }
```

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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