

# Converting Colors

Yxy(80.9914, 0.3252, 0.4218)

Have a look what the booklet for  
Yxy(80.9914, 0.3252, 0.4218)  
contains.

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# Color

**Yxy(80.6122, 0.3251, 0.4218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1F7A6
RGB	193, 247, 166
RGB Percent	76%, 97%, 65%
CMY	0.2433, 0.0313, 0.3489
CMYK	0.22, 0.00, 0.33, 0.03
HSL	100°, 84%, 81%
HSV	100°, 33%, 97%
XYZ	62.1314, 80.6122, 48.3711
YIQ	221.6200, -6.1830, -36.6390

# Conversions

## Conversions Part 2

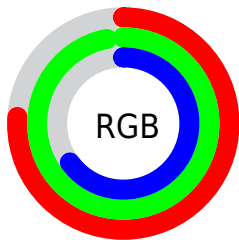
Format	Color
<a href="#">RYB</a>	<a href="#">166, 247, 220</a>
Decimal	<a href="#">12711846</a>
CIELab	<a href="#">91.96, -31.40, 33.53</a>
CIELCh	<a href="#">92, 45.938, 133.123</a>
Yxy	<a href="#">80.6122, 0.3251, 0.4218</a>
Android (android.graphics.Color)	<a href="#">4290901926</a> ( <a href="#">0xFFC1F7A6</a> )
YUV	<a href="#">221.6200, -27.4207, -25.0997</a>
Hunter-Lab	<a href="#">89.7843, -33.5992, 30.9066</a>

# Details

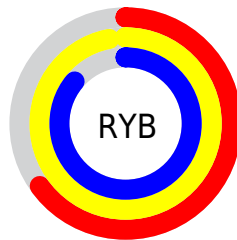
The Yxy color **80.6122, 0.3251, 0.4218** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.2226, 0.2946, 0.2418**, and the grayscale version is **72.9641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1179, 0.3289, 0.3615**, and **43.4224, 0.3265, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **77.7479, 0.3277, 0.4540**, and if you desaturate by 10%, it is **83.8990, 0.3217, 0.3909**.

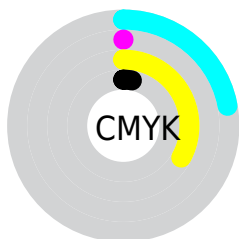
# Distribution



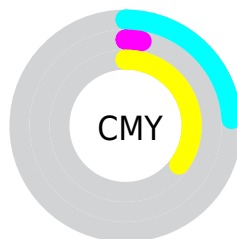
- Red (76%)
- Green (97%)
- Blue (65%)



- Red (65%)
- Yellow (97%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (33%)
- Black (3%)




- Cyan (24%)
- Magenta (3%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6122, 0.3251, 0.4218 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 80.6122, 0.3251, 0.4218 by changing the saturation by 10% instead.




 80.6122, 0.3251,  
0.4218


 80.6122, 0.3251,  
0.4218

496.9936, 0.3208,  
0.3777

 60.2223, 0.3257,  
0.4321


 134.2261, 0.3239,  
0.4063

 43.5978, 0.3262,  
0.4449


 168.2189, 0.3233,  
0.4003

 30.3544, 0.3266,  
0.4612


207.5147, 0.3228,  
0.3952

 20.1078, 0.3264,  
0.4825

252.4980, 0.3224,  
0.3908

 12.4734, 0.3250,  
0.5116

303.5531, 0.3219,  
0.3869

 7.0670, 0.3206,  
0.5529


361.0645, 0.3215,


 3.5040, 0.3158,


0.3834

0.6298

425.4165, 0.3211,  
0.3804

 1.4002, 0.2599,  
0.7401

 0.2169, 0.0000,  
1.0000

 80.6122, 0.3251,  
0.4218


 80.6122, 0.3251,  
0.4218

 77.7479, 0.3277,  
0.4540


 83.8990, 0.3217,  
0.3909

 75.2777, 0.3292,  
0.4863

 87.6146, 0.3179,  
0.3621

 73.1858, 0.3292,  
0.5169

 91.7782, 0.3139,  
0.3358

 71.4511, 0.3277,  
0.5439

 95.0084, 0.3131,  
0.3214

■ 70.0499, 0.3244,  
0.5655

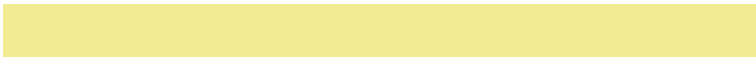
■ 68.9549, 0.3198,  
0.5803

■ 68.3304, 0.3160,  
0.5873

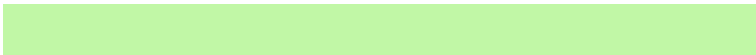
# Harmonies

## Analogous

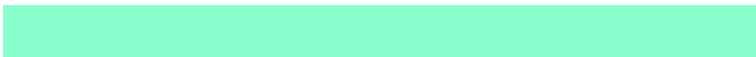
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6122, 0.3754, 0.4228



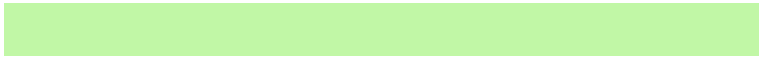
80.6122, 0.3251, 0.4218



80.6122, 0.2739, 0.3881

# Triad

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



80.6122, 0.3251, 0.4218



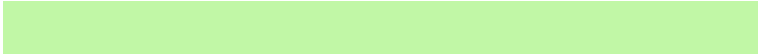
80.6122, 0.2218, 0.2546



80.6122, 0.3952, 0.3157

# Complementary

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



80.6122, 0.3251, 0.4218



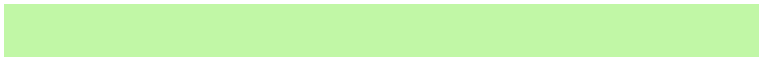
49.2226, 0.2946, 0.2418

# Split Complementary

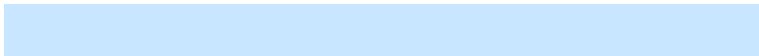
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6122, 0.3475, 0.2789



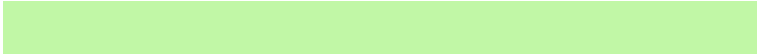
80.6122, 0.3251, 0.4218



80.6122, 0.2481, 0.2443

# Square

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



80.6122, 0.3251, 0.4218



80.6122, 0.2171, 0.2859



80.6122, 0.2930, 0.2534

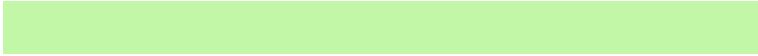


80.6122, 0.4188, 0.3576



# Rectangle

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



80.6122, 0.3251, 0.4218



80.6122, 0.2460, 0.3534



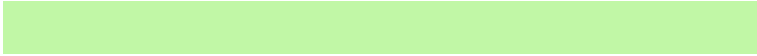
80.6122, 0.2930, 0.2534



80.6122, 0.3812, 0.3025

# Sweetspot

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



80.6157, 0.3251, 0.4218



95.3795, 0.3168, 0.3545



73.7245, 0.3706, 0.3857



20.2846, 0.3174, 0.3583



0.0000, 0.0000, 0.0000

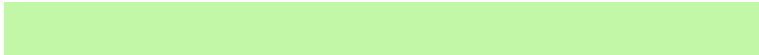


21.4041, 0.3127, 0.3290

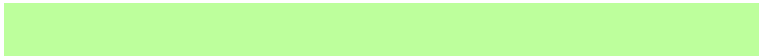


# Same Dimension

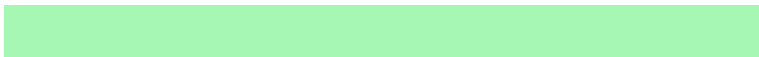
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6157, 0.3251, 0.4218



84.6777, 0.3268, 0.4420



77.9136, 0.3009, 0.4100



18.7398, 0.3166, 0.3531



36.2031, 0.3171, 0.5865



3.2357, 0.3265, 0.5790



# Inverse Universe

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



49.2226, 0.2946, 0.2418



46.3619, 0.2901, 0.2243



52.9694, 0.3275, 0.2597



16.4760, 0.3085, 0.3053



7.8527, 0.2385, 0.1087

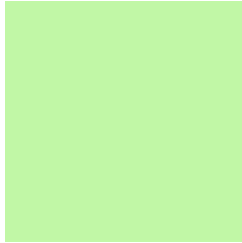


0.7462, 0.2489, 0.1145



# Previews

## White Background



This preview shows how the Yxy color 80.6122, 0.3251, 0.4218 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 80.6122, 0.3251, 0.4218 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 80.6122, 0.3251, 0.4218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.6122, 0.3251, 0.4218.

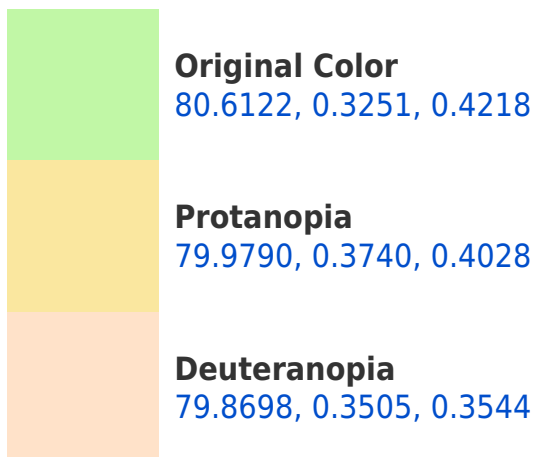


This preview shows how white text looks on a background with the Yxy color 80.6122, 0.3251, 0.4218.

# 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

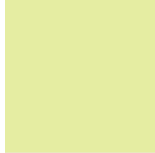
80.4763, 0.2832, 0.3089

# Trichromacy



## Original Color

80.6122, 0.3251, 0.4218



## Protanomaly

79.8350, 0.3546, 0.4096



## Deuteranomaly

79.6323, 0.3409, 0.3782



## Tritanomaly

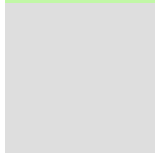
80.2044, 0.2984, 0.3476

# Monochromacy



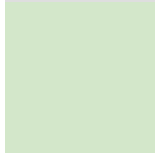
## Original Color

80.6122, 0.3251, 0.4218



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.2650, 0.3174, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.6122, 0.3251, 0.4218 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(193, 247, 166)` looks like.

```
.text, #text, p{  
    color:rgb(193, 247, 166)  
}
```

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(193, 247, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 247, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 80.6122, 0.3251, 0.4218 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(193, 247, 166) }
```

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

```
.border{ border-color:rgb(193, 247, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 247, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 247, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 247, 166); box-shadow:4px 4px 4px 4px rgb(193, 247, 166) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.6122, 0.3251, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 247, 166) }
```

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

```
.background{ background-color: rgb(193,  
247, 166) }
```

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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