

Converting Colors

Yxy(80.7174, 0.3168, 0.3821)

Have a look what the booklet for
Yxy(80.7174, 0.3168, 0.3821)
contains.

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Color

Yxy(80.4235, 0.3167, 0.3815)

Conversions

Conversions Part 1

Format	Color
Hex	CDF2C3
RGB	205, 242, 195
RGB Percent	80%, 95%, 76%
CMY	0.1963, 0.0509, 0.2354
CMYK	0.15, 0.00, 0.19, 0.05
HSL	107°, 64%, 86%
HSV	107°, 19%, 95%
XYZ	66.7631, 80.4235, 63.6221
YIQ	225.5790, -6.9650, -22.4610

Conversions

Conversions Part 2

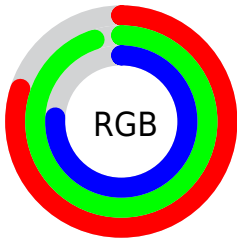
Format	Color
RYB	195, 242, 232
Decimal	13497027
CIELab	91.87, -20.51, 18.79
CIElCh	92, 27.816, 137.515
Yxy	80.4235, 0.3167, 0.3815
Android (android.graphics.Color)	4291687107 (0xFFCDF2C3)
YUV	225.5790, -15.0754, -18.0478
Hunter-Lab	89.6792, -24.0513, 20.7127

Details

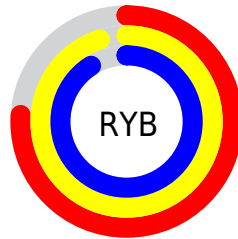
The Yxy color **80.4235, 0.3167, 0.3815** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.6023, 0.3074, 0.2796**, and the grayscale version is **75.8406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **43.5249, 0.3170, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **76.8702, 0.3183, 0.4126**, and if you desaturate by 10%, it is **84.4921, 0.3147, 0.3531**.

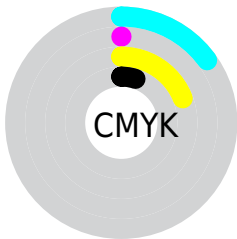
Distribution



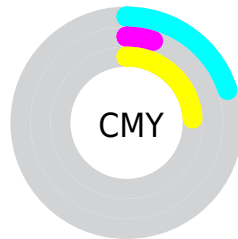
- Red (80%)
- Green (95%)
- Blue (76%)



- Red (76%)
- Yellow (95%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)





- Cyan (20%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4235, 0.3167, 0.3815 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 80.4235, 0.3167, 0.3815 by changing the saturation by 10% instead.


 80.4235, 0.3167,
0.3815

 80.4235, 0.3167,
0.3815


496.3589, 0.3153,
0.3569

 60.0669, 0.3169,
0.3872


133.9610, 0.3163,
0.3729

 43.4726, 0.3171,
0.3943


167.9107, 0.3161,
0.3696

 30.2561, 0.3173,
0.4033


207.1602, 0.3160,
0.3667

 20.0330, 0.3173,
0.4152

252.0939, 0.3158,
0.3642

 12.4191, 0.3171,
0.4316

303.0963, 0.3157,
0.3620

 7.0298, 0.3161,
0.4554


360.5516, 0.3155,


 3.4807, 0.3131,


0.3601


0.4929


424.8444, 0.3154,
0.3584

 1.3876, 0.3321,
0.6155


 0.2075, 0.0000,
1.0000


 80.4235, 0.3167,
0.3815


 80.4235, 0.3167,
0.3815


 76.8702, 0.3183,
0.4126


 84.4921, 0.3147,
0.3531

 73.8015, 0.3194,
0.4457

 89.0849, 0.3126,
0.3276

 71.1989, 0.3197,
0.4797

 91.9983, 0.3133,
0.3166

 69.0391, 0.3191,
0.5127

■ 67.2962, 0.3173,
0.5425

■ 65.9419, 0.3145,
0.5669

■ 64.9437, 0.3109,
0.5842

■ 64.2584, 0.3070,
0.5942

■ 64.2271, 0.3068,
0.5946

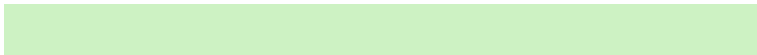
Harmonies

Analogous

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



80.4235, 0.3480, 0.3867



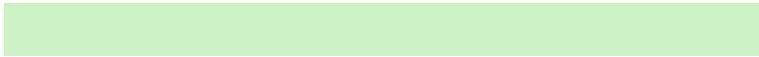
80.4235, 0.3167, 0.3815



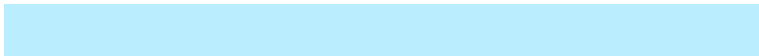
80.4235, 0.2854, 0.3597

Triad

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



80.4235, 0.3167, 0.3815



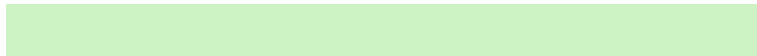
80.4235, 0.2573, 0.2815



80.4235, 0.3656, 0.3256

Complementary

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



80.4235, 0.3167, 0.3815



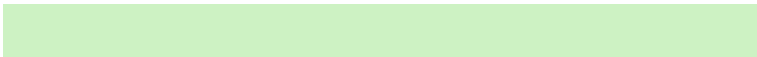
62.6023, 0.3074, 0.2796

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.



80.4235, 0.3389, 0.3008



80.4235, 0.3167, 0.3815



80.4235, 0.2765, 0.2757

Square

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



80.4235, 0.3167, 0.3815



80.4235, 0.2522, 0.3003



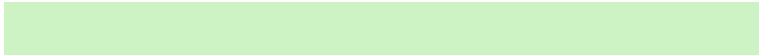
80.4235, 0.3060, 0.2829



80.4235, 0.3773, 0.3525

Rectangle

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



80.4235, 0.3167, 0.3815



80.4235, 0.2686, 0.3395



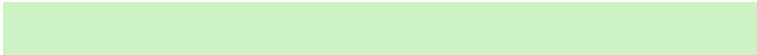
80.4235, 0.3060, 0.2829



80.4235, 0.3580, 0.3169

Sweetspot

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



80.4270, 0.3167, 0.3815



96.8368, 0.3140, 0.3441



80.4389, 0.3439, 0.3675



20.6562, 0.3142, 0.3458



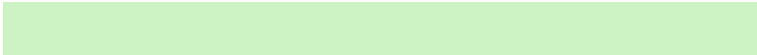
0.0000, 0.0000, 0.0000



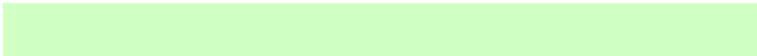
21.4041, 0.3127, 0.3290

Same Dimension

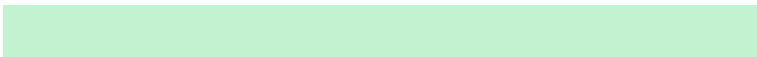
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4270, 0.3167, 0.3815



89.0411, 0.3173, 0.3925



79.6873, 0.3025, 0.3669



17.8174, 0.3147, 0.3532



34.5431, 0.3076, 0.5940



2.9152, 0.3160, 0.5873

Inverse Universe

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



62.6023, 0.3074, 0.2796



65.8407, 0.3062, 0.2699



63.5434, 0.3248, 0.2938



15.8529, 0.3104, 0.3055



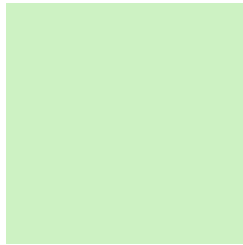
9.4426, 0.2679, 0.1249



0.8272, 0.2752, 0.1290

Previews

White Background



This preview shows how the Yxy color 80.4235, 0.3167, 0.3815 looks on a white background.

Color Contrast Check

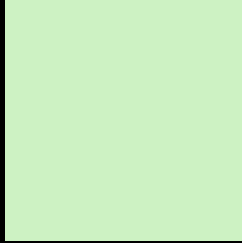
Large Text (above 18pt) WCAG AA × Fail

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 80.4235, 0.3167, 0.3815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

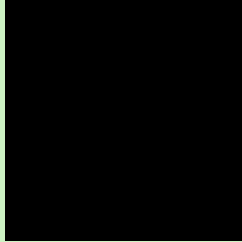
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

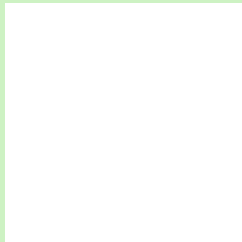
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4235, 0.3167, 0.3815

Background



This preview shows how black text looks on a background with the Yxy color 80.4235, 0.3167, 0.3815.

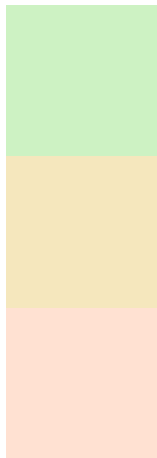


This preview shows how white text looks on a background with the Yxy color 80.4235, 0.3167, 0.3815.

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

80.4235, 0.3167, 0.3815

Protanopia

80.2384, 0.3503, 0.3727

Deuteranopia

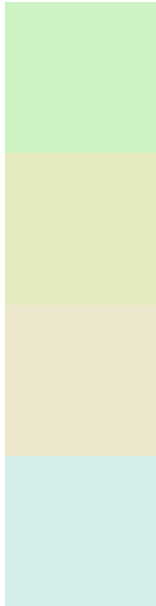
79.7636, 0.3444, 0.3442



Tritanopia

80.2336, 0.2885, 0.3091

Trichromacy



Original Color

80.4235, 0.3167, 0.3815

Protanomaly

80.0012, 0.3373, 0.3761

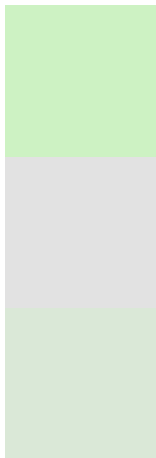
Deuteranomaly

79.5641, 0.3338, 0.3564

Tritanomaly

80.2435, 0.2988, 0.3343

Monochromacy



Original Color

80.4235, 0.3167, 0.3815

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.5249, 0.3139, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4235, 0.3167, 0.3815 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(205, 242, 195)` looks like.

```
.text, #text, p{  
    color:rgb(205, 242, 195)  
}
```

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(205, 242, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 242, 195) }
```

Border

The CSS property to change the border of an element to Yxy 80.4235, 0.3167, 0.3815 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(205, 242, 195) }
```

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

```
.border{ border-color:rgb(205, 242, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 242, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 242, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 242, 195);  
box-shadow:4px 4px 4px 4px rgb(205, 242,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4235, 0.3167, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 242, 195) }
```

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

```
.background{ background-color: rgb(205,  
242, 195) }
```

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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