

Converting Colors

$Yxy(83.7305, 0.3156, 0.3825)$

Have a look what the booklet for
Yxy(83.7305, 0.3156, 0.3825)
contains.

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Color

Yxy(83.8641, 0.3159, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	CFF7C6
RGB	207, 247, 198
RGB Percent	81%, 97%, 78%
CMY	0.1882, 0.0314, 0.2235
CMYK	0.16, 0.00, 0.20, 0.03
HSL	109°, 75%, 87%
HSV	109°, 20%, 97%
XYZ	69.1895, 83.8641, 65.9699
YIQ	229.4540, -8.1110, -23.7190

Conversions

Conversions Part 2

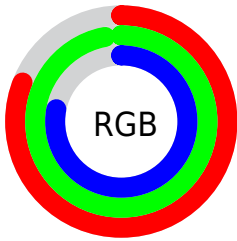
Format	Color
R _Y B	198, 247, 238
Decimal	13629382
CIE Lab	93.39, -21.73, 19.37
CIE LCh	93, 29.111, 138.287
Yxy	83.8641, 0.3159, 0.3829
Android (android.graphics.Color)	4291819462 (0xFFCFF7C6)
YUV	229.4540, -15.5068, -19.6922
Hunter-Lab	91.5773, -25.3981, 21.3932

Details

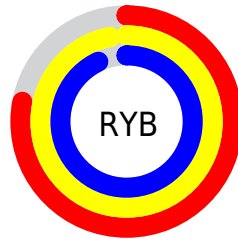
The Yxy color **83.8641, 0.3159, 0.3829** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.2827, 0.3083, 0.2786**, and the grayscale version is **78.8317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9506, 0.3159, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **80.0983, 0.3171, 0.4143**, and if you desaturate by 10%, it is **88.1936, 0.3144, 0.3542**.

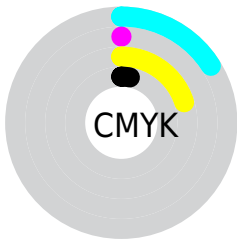
Distribution



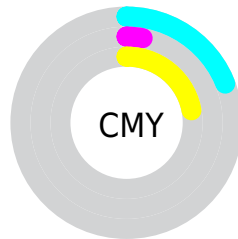
- Red (81%)
- Green (97%)
- Blue (78%)



- Red (78%)
- Yellow (97%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (3%)





- Cyan (19%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8641, 0.3159, 0.3829 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 83.8641, 0.3159, 0.3829 by changing the saturation by 10% instead.


 83.8641, 0.3159,
0.3829

 83.8641, 0.3159,
0.3829


507.8618, 0.3149,
0.3578

 62.9032, 0.3160,
0.3887


138.7851, 0.3156,
0.3741

 45.7629, 0.3161,
0.3958


173.5139, 0.3155,
0.3708

 32.0588, 0.3161,
0.4049


213.6010, 0.3154,
0.3678

 21.4064, 0.3160,
0.4168

259.4305, 0.3153,
0.3653

 13.4214, 0.3155,
0.4331

311.3870, 0.3152,
0.3631

 7.7194, 0.3142,
0.4566

369.8548, 0.3151,

 3.9159, 0.3108,

0.3611

0.4931

435.2182, 0.3150,
0.3593

■ 1.6266, 0.3179,
0.5881

■ 0.3755, 0.0000,
1.0000

■ 83.8641, 0.3159,
0.3829

■ 83.8641, 0.3159,
0.3829

■ 80.0983, 0.3171,
0.4143

■ 88.1936, 0.3144,
0.3542

■ 76.8626, 0.3177,
0.4479

■ 93.0977, 0.3127,
0.3286

■ 74.1360, 0.3177,
0.4822

■ 95.0024, 0.3131,
0.3214

■ 71.8920, 0.3168,
0.5154

■ 70.1016, 0.3149,
0.5453

■ 68.7326, 0.3122,
0.5695

■ 67.7481, 0.3088,
0.5863

■ 67.0983, 0.3052,
0.5958

■ 67.0898, 0.3052,
0.5959

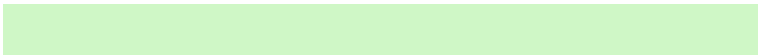
Harmonies

Analogous

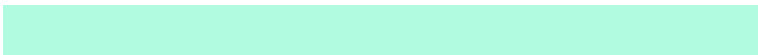
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8641, 0.3483, 0.3886



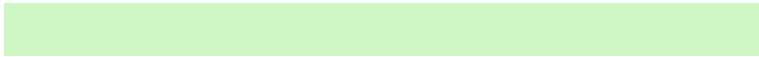
83.8641, 0.3159, 0.3829



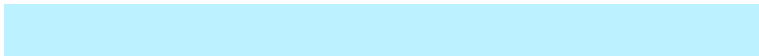
83.8641, 0.2838, 0.3600

Triad

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



83.8641, 0.3159, 0.3829



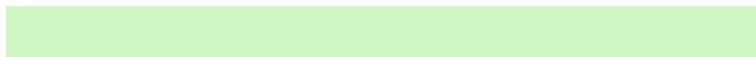
83.8641, 0.2559, 0.2796



83.8641, 0.3678, 0.3262

Complementary

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



83.8641, 0.3159, 0.3829



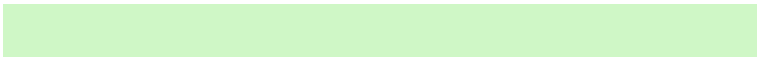
65.2827, 0.3083, 0.2786

Split Complementary

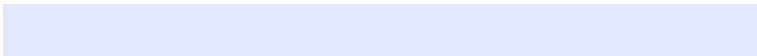
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8641, 0.3406, 0.3005



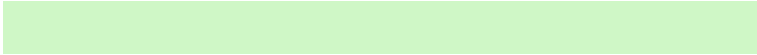
83.8641, 0.3159, 0.3829



83.8641, 0.2760, 0.2741

Square

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



83.8641, 0.3159, 0.3829



83.8641, 0.2503, 0.2987



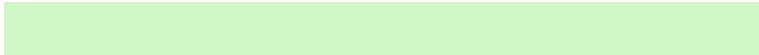
83.8641, 0.3067, 0.2819



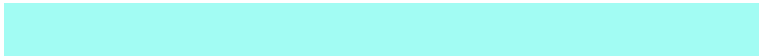
83.8641, 0.3794, 0.3538

Rectangle

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



83.8641, 0.3159, 0.3829



83.8641, 0.2667, 0.3390



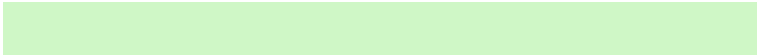
83.8641, 0.3067, 0.2819



83.8641, 0.3601, 0.3171

Sweetspot

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



83.8677, 0.3159, 0.3829



96.7617, 0.3138, 0.3441



84.5377, 0.3445, 0.3691



20.6385, 0.3139, 0.3458



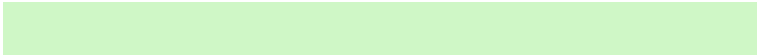
0.0000, 0.0000, 0.0000



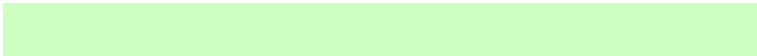
21.4041, 0.3127, 0.3290

Same Dimension

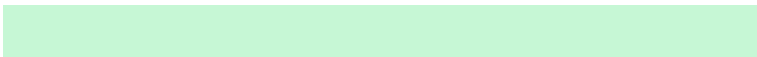
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8677, 0.3159, 0.3829



88.3928, 0.3164, 0.3958



83.3183, 0.3018, 0.3669



18.6185, 0.3143, 0.3533



35.5250, 0.3059, 0.5953



3.1618, 0.3134, 0.5894

Inverse Universe

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



65.2827, 0.3083, 0.2786



64.9024, 0.3071, 0.2675



66.0093, 0.3257, 0.2939



16.6053, 0.3108, 0.3055



10.2193, 0.2747, 0.1287



0.9373, 0.2808, 0.1321

Previews

White Background



This preview shows how the Yxy color 83.8641, 0.3159, 0.3829 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 83.8641, 0.3159, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

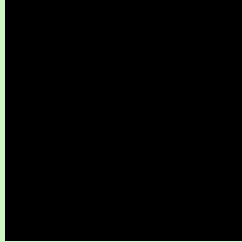
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

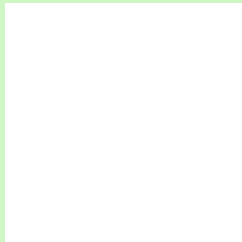
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8641, 0.3159, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 83.8641, 0.3159, 0.3829.

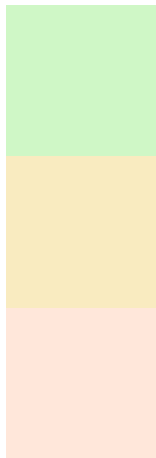


This preview shows how white text looks on a background with the Yxy color 83.8641, 0.3159, 0.3829.

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

83.8641, 0.3159, 0.3829

Protanopia

83.3622, 0.3503, 0.3730

Deuteranopia

83.4738, 0.3379, 0.3421



Tritanopia

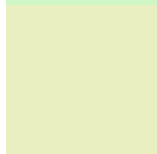
83.4291, 0.2906, 0.3114

Trichromacy



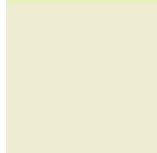
Original Color

83.8641, 0.3159, 0.3829



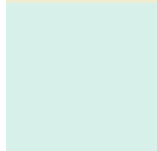
Protanomaly

83.1205, 0.3376, 0.3764



Deuteranomaly

83.4487, 0.3298, 0.3560



Tritanomaly

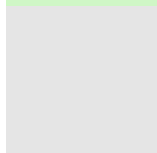
83.2982, 0.3002, 0.3364

Monochromacy



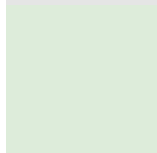
Original Color

83.8641, 0.3159, 0.3829



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.4250, 0.3138, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8641, 0.3159, 0.3829 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(207, 247, 198)` looks like.

```
.text, #text, p{  
    color:rgb(207, 247, 198)  
}
```

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(207, 247, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 247, 198) }
```

Border

The CSS property to change the border of an element to Yxy 83.8641, 0.3159, 0.3829 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(207, 247, 198) }
```

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

```
.border{ border-color:rgb(207, 247, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 247, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 247, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 247, 198);  
box-shadow:4px 4px 4px 4px rgb(207, 247,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8641, 0.3159, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 247, 198) }
```

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

```
.background{ background-color: rgb(207,  
247, 198) }
```

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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