

Converting Colors

$Yxy(83.7837, 0.3262, 0.3819)$

Have a look what the booklet for
Yxy(83.7837, 0.3262, 0.3819)
contains.

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Color

Yxy(83.7016, 0.3259, 0.3820)

Conversions

Conversions Part 1

Format	Color
Hex	DBF4C3
RGB	219, 244, 195
RGB Percent	86%, 96%, 76%
CMY	0.1412, 0.0431, 0.2354
CMYK	0.10, 0.00, 0.20, 0.04
HSL	91°, 69%, 86%
HSV	91°, 20%, 96%
XYZ	71.4093, 83.7016, 64.0032
YIQ	230.9390, 0.8290, -20.5390

Conversions

Conversions Part 2

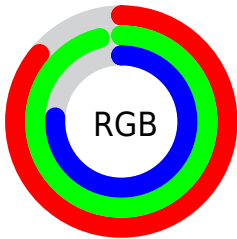
Format	Color
RYB	195, 244, 220
Decimal	14415043
CIELab	93.32, -16.67, 20.95
CIELCh	93, 26.769, 128.508
Yxy	83.7016, 0.3259, 0.3820
Android (android.graphics.Color)	4292605123 (0xFFDBF4C3)
YUV	230.9390, -17.7179, -10.4705
Hunter-Lab	91.4886, -20.7810, 22.5641

Details

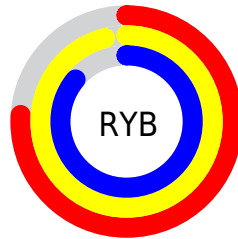
The Yxy color **83.7016, 0.3259, 0.3820** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.7633, 0.2971, 0.2762**, and the grayscale version is **79.9966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **45.7820, 0.3287, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **80.8311, 0.3320, 0.4112**, and if you desaturate by 10%, it is **86.9041, 0.3194, 0.3545**.

Distribution



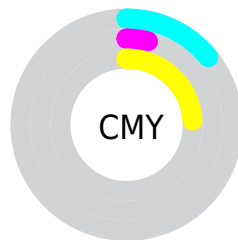
- Red (86%)
- Green (96%)
- Blue (76%)



- Red (76%)
- Yellow (96%)
- Blue (86%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)





- Cyan (14%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7016, 0.3259, 0.3820 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 83.7016, 0.3259, 0.3820 by changing the saturation by 10% instead.


 83.7016, 0.3259,
0.3820

 83.7016, 0.3259,
0.3820


507.3218, 0.3203,
0.3574

 62.7691, 0.3270,
0.3876


138.5577, 0.3241,
0.3735

 45.6544, 0.3284,
0.3946


173.2501, 0.3233,
0.3702

 31.9732, 0.3300,
0.4033


213.2978, 0.3227,
0.3673

 21.3410, 0.3319,
0.4148

259.0854, 0.3221,
0.3648

 13.3735, 0.3341,
0.4303

310.9972, 0.3216,
0.3626

 7.6863, 0.3366,
0.4525

369.4176, 0.3211,

 3.8949, 0.3389,

0.3607

0.4864

434.7310, 0.3207,
0.3590

■ 1.6149, 0.3638,
0.5850

■ 0.3676, 0.0000,
1.0000

■ 83.7016, 0.3259,
0.3820

■ 83.7016, 0.3259,
0.3820

■ 80.8311, 0.3320,
0.4112

■ 86.9041, 0.3194,
0.3545

■ 78.2699, 0.3374,
0.4414

■ 90.4389, 0.3128,
0.3292

■ 76.0089, 0.3416,
0.4716

■ 93.1878, 0.3132,
0.3185

■ 74.0342, 0.3442,
0.5003

■ 72.3309, 0.3448,
0.5260

■ 70.8819, 0.3432,
0.5472

■ 69.6676, 0.3394,
0.5628

■ 68.6666, 0.3340,
0.5730

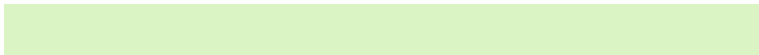
Harmonies

Analogous

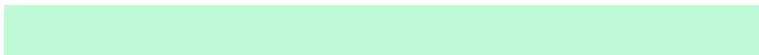
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7016, 0.3540, 0.3819



83.7016, 0.3259, 0.3820



83.7016, 0.2953, 0.3656

Triad

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



83.7016, 0.3259, 0.3820



83.7016, 0.2570, 0.2880



83.7016, 0.3565, 0.3183

Complementary

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



83.7016, 0.3259, 0.3820



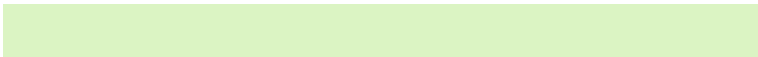
60.7633, 0.2971, 0.2762

Split Complementary

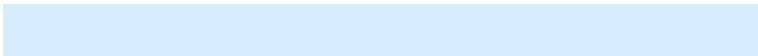
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7016, 0.3285, 0.2961



83.7016, 0.3259, 0.3820



83.7016, 0.2715, 0.2786

Square

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



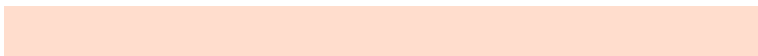
83.7016, 0.3259, 0.3820



83.7016, 0.2565, 0.3093



83.7016, 0.2973, 0.2818



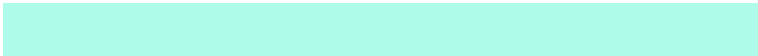
83.7016, 0.3724, 0.3439

Rectangle

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



83.7016, 0.3259, 0.3820



83.7016, 0.2775, 0.3479



83.7016, 0.2973, 0.2818



83.7016, 0.3481, 0.3103

Sweetspot

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



83.7052, 0.3259, 0.3820



97.6029, 0.3167, 0.3439



74.0931, 0.3478, 0.3549



20.8370, 0.3171, 0.3456



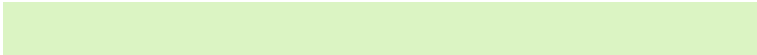
0.0000, 0.0000, 0.0000



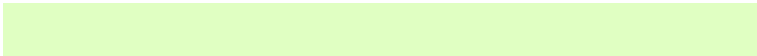
21.4041, 0.3127, 0.3290

Same Dimension

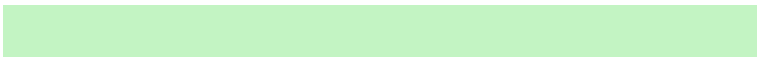
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7052, 0.3259, 0.3820



91.2177, 0.3284, 0.3934



80.2447, 0.3101, 0.3846



18.8704, 0.3190, 0.3529



37.4143, 0.3352, 0.5721



3.3493, 0.3447, 0.5645

Inverse Universe

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



60.7633, 0.2971, 0.2762



61.7259, 0.2934, 0.2649



64.7842, 0.3151, 0.2790



16.3423, 0.3059, 0.3051



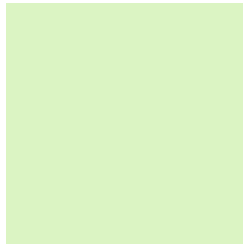
5.9829, 0.2043, 0.0899



0.5870, 0.2177, 0.0973

Previews

White Background



This preview shows how the Yxy color 83.7016, 0.3259, 0.3820 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 83.7016, 0.3259, 0.3820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

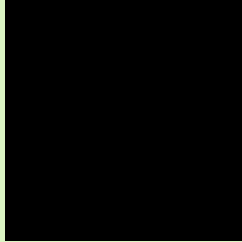
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

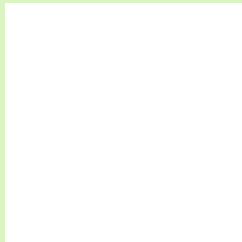
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7016, 0.3259, 0.3820

Background



This preview shows how black text looks on a background with the Yxy color 83.7016, 0.3259, 0.3820.

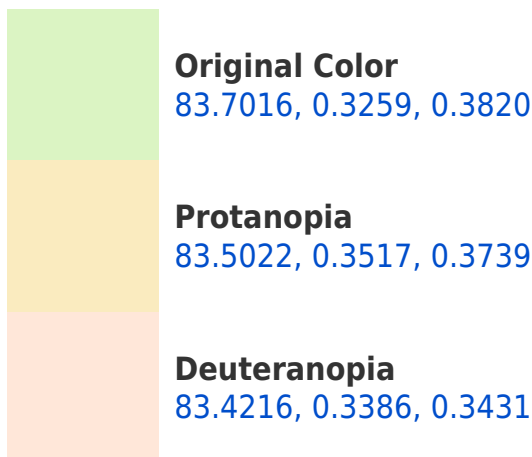


This preview shows how white text looks on a background with the Yxy color 83.7016, 0.3259, 0.3820.

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

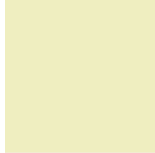
83.7049, 0.2961, 0.3097

Trichromacy



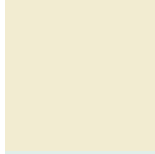
Original Color

83.7016, 0.3259, 0.3820



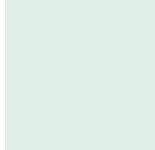
Protanomaly

83.3056, 0.3425, 0.3770



Deuteranomaly

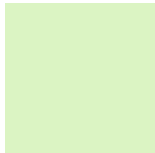
83.4716, 0.3340, 0.3569



Tritanomaly

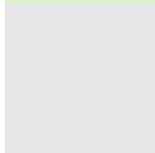
83.6237, 0.3072, 0.3352

Monochromacy



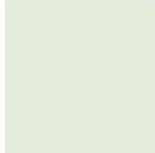
Original Color

83.7016, 0.3259, 0.3820



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.3838, 0.3179, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7016, 0.3259, 0.3820 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(219, 244, 195)` looks like.

```
.text, #text, p{  
    color:rgb(219, 244, 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(219, 244, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 244, 195) }
```

Border

The CSS property to change the border of an element to Yxy 83.7016, 0.3259, 0.3820 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(219, 244, 195) }
```

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

```
.border{ border-color:rgb(219, 244, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 244, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 244, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 244, 195); box-shadow:4px 4px 4px 4px rgb(219, 244, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7016, 0.3259, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 244, 195) }
```

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

```
.background{ background-color: rgb(219,  
244, 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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