

Converting Colors

$Yxy(83.9550, 0.3233, 0.3719)$

Have a look what the booklet for
Yxy(83.9550, 0.3233, 0.3719)
contains.

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Color

Yxy(83.9426, 0.3232, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	DEF3CB
RGB	222, 243, 203
RGB Percent	87%, 95%, 80%
CMY	0.1291, 0.0471, 0.2039
CMYK	0.09, 0.00, 0.16, 0.05
HSL	91°, 62%, 87%
HSV	91°, 16%, 95%
XYZ	72.9700, 83.9426, 68.8609
YIQ	232.1610, 0.3240, -16.8920

Conversions

Conversions Part 2

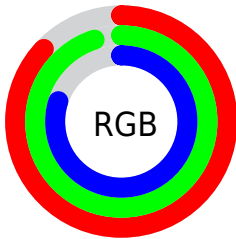
Format	Color
RYB	203, 243, 224
Decimal	14611403
CIELab	93.43, -13.83, 16.99
CIELCh	93, 21.909, 129.144
Yxy	83.9426, 0.3232, 0.3718
Android (android.graphics.Color)	4292801483 (0xFFDEF3CB)
YUV	232.1610, -14.3764, -8.9112
Hunter-Lab	91.6202, -18.1708, 19.5723

Details

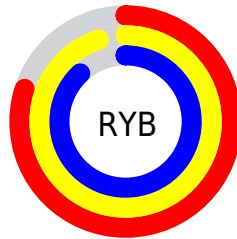
The Yxy color **83.9426, 0.3232, 0.3718** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.0225, 0.3007, 0.2864**, and the grayscale version is **80.9425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9261, 0.3253, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **80.9435, 0.3293, 0.4005**, and if you desaturate by 10%, it is **87.2820, 0.3168, 0.3451**.

Distribution



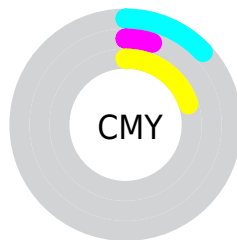
- Red (87%)
- Green (95%)
- Blue (80%)



- Red (80%)
- Yellow (95%)
- Blue (88%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)





- Cyan (13%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9426, 0.3232, 0.3718 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 83.9426, 0.3232, 0.3718 by changing the saturation by 10% instead.


 83.9426, 0.3232,
0.3718

 83.9426, 0.3232,
0.3718


508.1226, 0.3187,
0.3520

 62.9680, 0.3241,
0.3763


138.8949, 0.3217,
0.3650

 45.8154, 0.3253,
0.3818

173.6414, 0.3211,
0.3623

 32.1001, 0.3266,
0.3889


213.7474, 0.3206,
0.3600

 21.4380, 0.3282,
0.3980

259.5972, 0.3201,
0.3580

 13.4445, 0.3302,
0.4104

311.5752, 0.3197,
0.3562

 7.7354, 0.3327,
0.4281

370.0658, 0.3193,

 3.9261, 0.3355,

0.3547

435.4535, 0.3190,
0.3533

0.4553

1.6323, 0.3472,
0.5166

0.3792, 0.0567,
0.9433

83.9426, 0.3232,
0.3718

83.9426, 0.3232,
0.3718

80.9435, 0.3293,
0.4005

87.2820, 0.3168,
0.3451

78.2619, 0.3348,
0.4306

90.9620, 0.3105,
0.3206

75.8892, 0.3392,
0.4611

92.5738, 0.3133,
0.3175

73.8116, 0.3423,
0.4907

■ 72.0146, 0.3434,
0.5180

■ 70.4818, 0.3425,
0.5412

■ 69.1946, 0.3394,
0.5590

■ 68.1304, 0.3343,
0.5710

■ 67.7955, 0.3323,
0.5743

Harmonies

Analogous

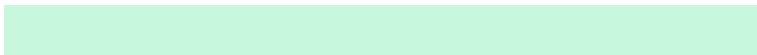
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9426, 0.3462, 0.3724



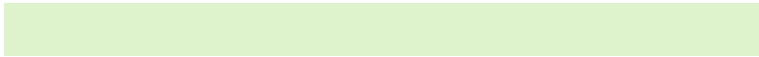
83.9426, 0.3232, 0.3718



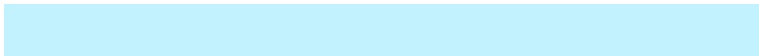
83.9426, 0.2981, 0.3583

Triad

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



83.9426, 0.3232, 0.3718



83.9426, 0.2669, 0.2952



83.9426, 0.3488, 0.3208

Complementary

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



83.9426, 0.3232, 0.3718



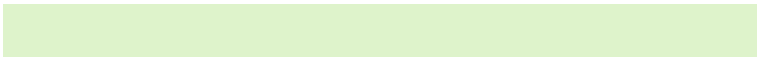
65.0225, 0.3007, 0.2864

Split Complementary

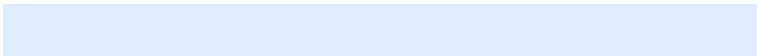
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9426, 0.3263, 0.3022



83.9426, 0.3232, 0.3718



83.9426, 0.2792, 0.2874

Square

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



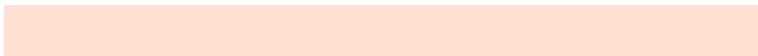
83.9426, 0.3232, 0.3718



83.9426, 0.2663, 0.3127



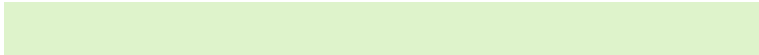
83.9426, 0.3007, 0.2901



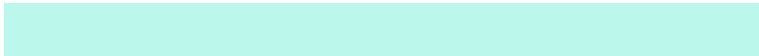
83.9426, 0.3615, 0.3421

Rectangle

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



83.9426, 0.3232, 0.3718



83.9426, 0.2835, 0.3440



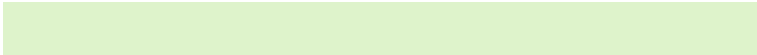
83.9426, 0.3007, 0.2901



83.9426, 0.3421, 0.3141

Sweetspot

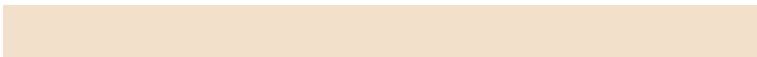
The Sweet Spot groups the original color and five complimentary colors.



83.9462, 0.3232, 0.3718



97.9623, 0.3159, 0.3414



76.4959, 0.3406, 0.3507



20.9083, 0.3164, 0.3432



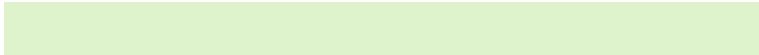
0.0000, 0.0000, 0.0000



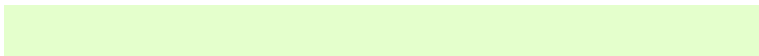
21.4041, 0.3127, 0.3290

Same Dimension

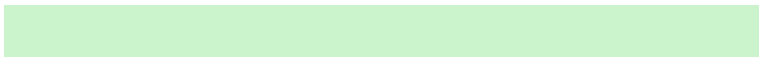
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9462, 0.3232, 0.3718



92.4247, 0.3254, 0.3819



81.1357, 0.3102, 0.3727



18.8594, 0.3188, 0.3530



37.2920, 0.3335, 0.5734



3.3384, 0.3430, 0.5658

Inverse Universe

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



65.0225, 0.3007, 0.2864



67.3428, 0.2976, 0.2764



68.1988, 0.3151, 0.2889



16.3533, 0.3062, 0.3051



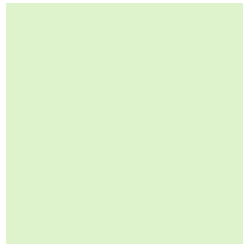
6.1156, 0.2069, 0.0913



0.5987, 0.2201, 0.0986

Previews

White Background



This preview shows how the Yxy color 83.9426, 0.3232, 0.3718 looks on a white background.

Color Contrast Check

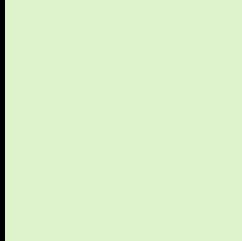
Large Text (above 18pt) WCAG AA × Fail

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 83.9426, 0.3232, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

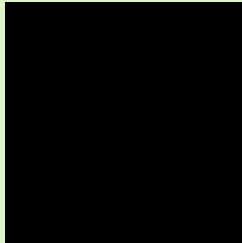
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

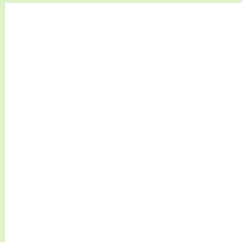
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9426, 0.3232, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 83.9426, 0.3232, 0.3718.

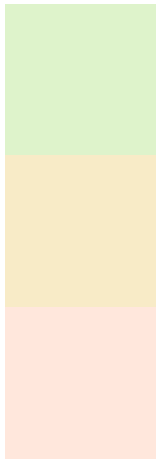


This preview shows how white text looks on a background with the Yxy color 83.9426, 0.3232, 0.3718.

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

83.9426, 0.3232, 0.3718

Protanopia

83.4966, 0.3450, 0.3659

Deuteranopia

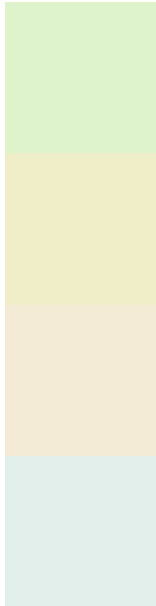
83.5791, 0.3366, 0.3400



Tritanopia

83.9697, 0.2980, 0.3107

Trichromacy



Original Color

83.9426, 0.3232, 0.3718

Protanomaly

83.6699, 0.3374, 0.3686

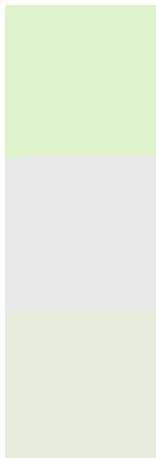
Deuteranomaly

83.3264, 0.3316, 0.3506

Tritanomaly

84.0621, 0.3073, 0.3331

Monochromacy



Original Color

83.9426, 0.3232, 0.3718

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.7053, 0.3167, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9426, 0.3232, 0.3718 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(222, 243, 203)` looks like.

```
.text, #text, p{  
    color:rgb(222, 243, 203)  
}
```

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(222, 243, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 243, 203) }
```

Border

The CSS property to change the border of an element to Yxy 83.9426, 0.3232, 0.3718 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(222, 243, 203) }
```

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

```
.border{ border-color:rgb(222, 243, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 243, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 243, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 243, 203);  
box-shadow:4px 4px 4px 4px rgb(222, 243,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9426, 0.3232, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 243, 203) }
```

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

```
.background{ background-color: rgb(222,  
243, 203) }
```

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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