

Converting Colors

$Y_{xy}(96.5709, 0.3430, 0.3819)$

Have a look what the booklet for
Yxy(96.5709, 0.3430, 0.3819)
contains.

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Color

Yxy(96.6197, 0.3434, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	FDFFC9
RGB	253, 255, 201
RGB Percent	99%, 100%, 79%
CMY	0.0081, 0.0000, 0.2118
CMYK	0.01, 0.00, 0.21, 0.00
HSL	62°, 100%, 89%
HSV	62°, 21%, 100%
XYZ	86.7884, 96.6197, 69.3246
YIQ	248.2460, 16.1420, -17.2180

Conversions

Conversions Part 2

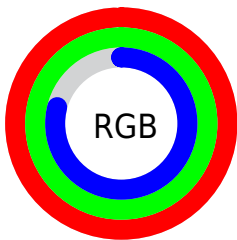
Format	Color
RYB	201, 255, 203
Decimal	16646089
CIELab	98.68, -9.22, 25.66
CIELCh	99, 27.271, 109.769
Yxy	96.6197, 0.3434, 0.3823
Android (android.graphics.Color)	4294836169 (0xFFFDFFC9)
YUV	248.2460, -23.2923, 4.1693
Hunter-Lab	98.2953, -14.4129, 26.9914

Details

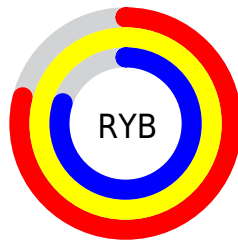
The Yxy color **96.6197, 0.3434, 0.3823** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.6930, 0.2783, 0.2701**, and the grayscale version is **94.2436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.2305, 0.3495, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **95.3192, 0.3579, 0.4077**, and if you desaturate by 10%, it is **98.0905, 0.3288, 0.3568**.

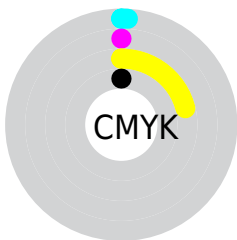
Distribution



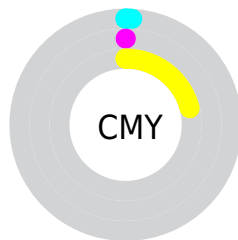
- Red (99%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.6197, 0.3434, 0.3823 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 96.6197, 0.3434, 0.3823 by changing the saturation by 10% instead.


 96.6197, 0.3434,
0.3823

 96.6197, 0.3434,
0.3823


549.3374, 0.3302,
0.3585

 73.4838, 0.3462,
0.3875


156.5004, 0.3390,
0.3742

 54.3716, 0.3495,
0.3938


194.0140, 0.3373,
0.3710

 38.8989, 0.3535,
0.4016


237.0889, 0.3357,
0.3683

 26.6811, 0.3585,
0.4115

286.1095, 0.3343,
0.3659

 17.3338, 0.3647,
0.4244

341.4603, 0.3331,
0.3637

 10.4728, 0.3726,
0.4419

403.5256, 0.3321,

 5.7135, 0.3828,

0.3618

0.4666

472.6898, 0.3311,
0.3601

■ 2.6717, 0.4013,
0.5112

■ 0.9628, 0.4167,
0.5833

■ 96.6197, 0.3434,
0.3823

■ 96.6197, 0.3434,
0.3823

■ 95.3192, 0.3579,
0.4077

■ 98.0905, 0.3288,
0.3568

■ 94.2239, 0.3717,
0.4322

■ 99.7855, 0.3144,
0.3319

■ 93.3083, 0.3842,
0.4546

■ 100.0000, 0.3127,
0.3290

■ 92.5607, 0.3948,
0.4741

■ 91.9679, 0.4030,
0.4897

■ 91.5149, 0.4087,
0.5009

■ 91.1836, 0.4117,
0.5077

■ 90.9678, 0.4125,
0.5107

Harmonies

Analogous

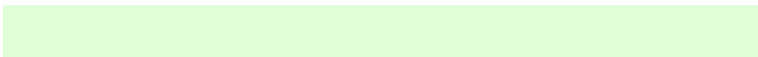
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6197, 0.3650, 0.3729



96.6197, 0.3434, 0.3823



96.6197, 0.3142, 0.3762

Triad

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



96.6197, 0.3434, 0.3823



96.6197, 0.2565, 0.3010



96.6197, 0.3391, 0.3044

Complementary

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



96.6197, 0.3434, 0.3823



61.6930, 0.2783, 0.2701

Split Complementary

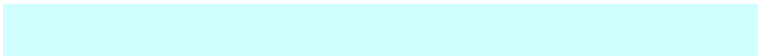
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.6197, 0.3089, 0.2872



96.6197, 0.3434, 0.3823



96.6197, 0.2623, 0.2843

Square

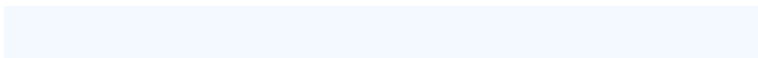
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



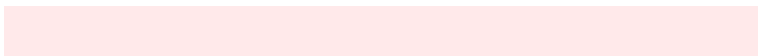
96.6197, 0.3434, 0.3823



96.6197, 0.2648, 0.3270



96.6197, 0.2810, 0.2797



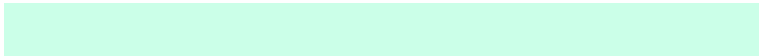
96.6197, 0.3628, 0.3279

Rectangle

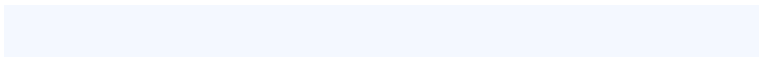
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.6197, 0.3434, 0.3823



96.6197, 0.2946, 0.3635



96.6197, 0.2810, 0.2797



96.6197, 0.3293, 0.2978

Sweetspot

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



96.6047, 0.3434, 0.3823



98.9421, 0.3212, 0.3437



68.0883, 0.3553, 0.3310



21.1540, 0.3222, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

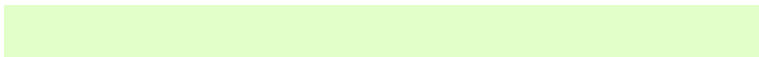
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.6047, 0.3434, 0.3823



96.0907, 0.3490, 0.3920



91.9365, 0.3258, 0.3854



21.0531, 0.3263, 0.3525



47.5484, 0.4126, 0.5106



4.6403, 0.4134, 0.5099

Inverse Universe

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



61.6930, 0.2783, 0.2701



56.0205, 0.2712, 0.2579



65.7765, 0.2969, 0.2731



17.4110, 0.2984, 0.3044



3.8201, 0.1511, 0.0606



0.3831, 0.1538, 0.0621

Previews

White Background



This preview shows how the Yxy color 96.6197, 0.3434, 0.3823 looks on a white background.

Color Contrast Check

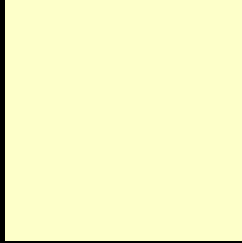
Large Text (above 18pt) WCAG AA × Fail

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 96.6197, 0.3434, 0.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

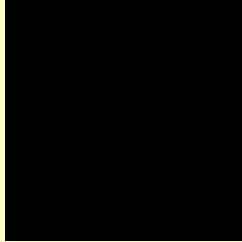
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.6197, 0.3434, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 96.6197, 0.3434, 0.3823.



This preview shows how white text looks on a background with the Yxy color 96.6197, 0.3434, 0.3823.

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

96.6197, 0.3434, 0.3823



Protanopia

96.5456, 0.3218, 0.3396

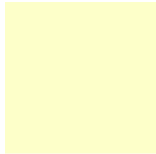
Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

96.6620, 0.3123, 0.3242

Trichromacy



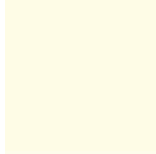
Original Color

96.6197, 0.3434, 0.3823



Protanomaly

96.1826, 0.3294, 0.3544



Deuteranomaly

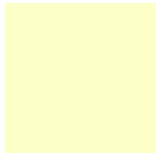
96.4048, 0.3270, 0.3504



Tritanomaly

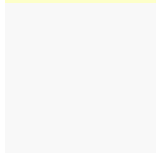
96.6898, 0.3240, 0.3455

Monochromacy



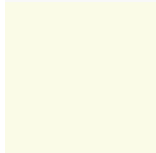
Original Color

96.6197, 0.3434, 0.3823



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

95.0879, 0.3239, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.6197, 0.3434, 0.3823 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(253, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 201)  
}
```

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(253, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 96.6197, 0.3434, 0.3823 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(253, 255, 201) }
```

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

```
.border{ border-color:rgb(253, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 96.6197, 0.3434, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 201) }
```

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

```
.background{ background-color: rgb(253,  
255, 201) }
```

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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