

Converting Colors

$Y_{xy}(124.9799, 0.3345, 0.4175)$

Have a look what the booklet for
Yxy(124.9799, 0.3345, 0.4175)
contains.

Yxy(96.0610, 0.3414, 0.3826)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(96.0610, 0.3414, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	FAFFC9
RGB	250, 255, 201
RGB Percent	98%, 100%, 79%
CMY	0.0198, 0.0000, 0.2117
CMYK	0.02, 0.00, 0.21, 0.00
HSL	66°, 100%, 89%
HSV	66°, 21%, 100%
XYZ	85.7167, 96.0610, 69.2965
YIQ	247.3490, 14.3540, -17.8540

Conversions

Conversions Part 2

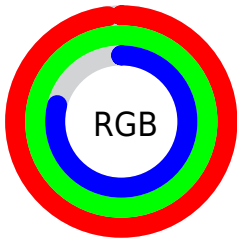
Format	Color
R_{YB}	201, 255, 206
Decimal	16449481
CIE _{Lab}	98.46, -10.27, 25.30
CIE _{LCh}	98, 27.311, 112.098
Yxy	96.0610, 0.3414, 0.3826
Android (android.graphics.Color)	4294639561 (0xFFFAFFC9)
YUV	247.3490, -22.8501, 2.3249
Hunter-Lab	98.0107, -15.4089, 26.6877

Details

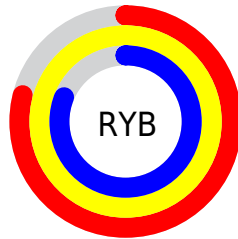
The Yxy color **96.0610, 0.3414, 0.3826** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.1371, 0.2804, 0.2704**, and the grayscale version is **93.4813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.8322, 0.3469, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **94.5138, 0.3549, 0.4085**, and if you desaturate by 10%, it is **97.7985, 0.3277, 0.3568**.

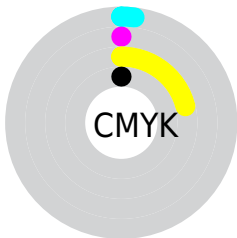
Distribution



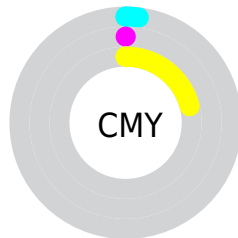
- Red (98%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (81%)



- Cyan (2%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.0610, 0.3414, 0.3826 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 96.0610, 0.3414, 0.3826 by changing the saturation by 10% instead.


 96.0610, 0.3414,
0.3826

 96.0610, 0.3414,
0.3826

547.5561, 0.3291,
0.3586

 73.0184, 0.3440,
0.3879


155.7296, 0.3373,
0.3744

 53.9910, 0.3471,
0.3943


193.1244, 0.3357,
0.3712

 38.5944, 0.3508,
0.4022

236.0719, 0.3342,
0.3684

 26.4444, 0.3554,
0.4123

284.9567, 0.3330,
0.3660

 17.1564, 0.3612,
0.4255

340.1632, 0.3318,
0.3638

 10.3460, 0.3685,
0.4434

402.0756, 0.3308,

 5.6290, 0.3777,

0.3619

0.4688

471.0785, 0.3299,
0.3602

■ 2.6208, 0.3950,
0.5154

■ 0.9371, 0.4054,
0.5946

■ 96.0610, 0.3414,
0.3826

■ 96.0610, 0.3414,
0.3826

■ 94.5138, 0.3549,
0.4085

■ 97.7985, 0.3277,
0.3568


■ 93.1688, 0.3677,
0.4337


■ 99.7572, 0.3143,
0.3318


■ 92.0081, 0.3791,
0.4570

■ 100.0000, 0.3127,
0.3290

■ 91.0199, 0.3888,
0.4776

 90.1912, 0.3960,
0.4944

 89.5068, 0.4007,
0.5068

 88.9486, 0.4027,
0.5146

 88.5357, 0.4027,
0.5185

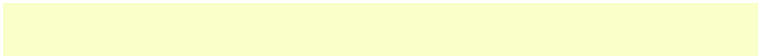
Harmonies

Analogous

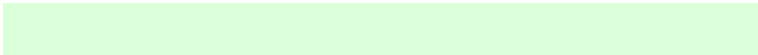
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0610, 0.3639, 0.3743



96.0610, 0.3414, 0.3826



96.0610, 0.3119, 0.3752

Triad

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



96.0610, 0.3414, 0.3826



96.0610, 0.2563, 0.2992



96.0610, 0.3414, 0.3060

Complementary

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



96.0610, 0.3414, 0.3826



62.1371, 0.2804, 0.2704

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.



96.0610, 0.3113, 0.2881



96.0610, 0.3414, 0.3826



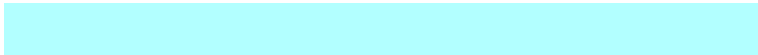
96.0610, 0.2632, 0.2833

Square

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



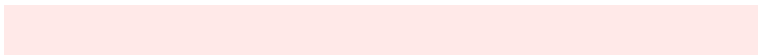
96.0610, 0.3414, 0.3826



96.0610, 0.2635, 0.3247



96.0610, 0.2828, 0.2797



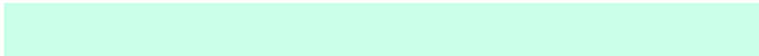
96.0610, 0.3643, 0.3298

Rectangle

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



96.0610, 0.3414, 0.3826



96.0610, 0.2924, 0.3618



96.0610, 0.2828, 0.2797



96.0610, 0.3317, 0.2992

Sweetspot

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



96.0538, 0.3414, 0.3826



98.7832, 0.3207, 0.3438



69.3916, 0.3547, 0.3337



21.1163, 0.3216, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

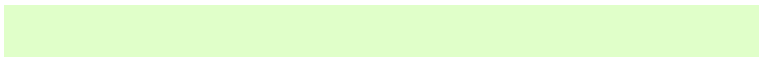
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.0538, 0.3414, 0.3826



95.4397, 0.3466, 0.3926



91.5081, 0.3241, 0.3856



20.9994, 0.3255, 0.3526



46.2973, 0.4030, 0.5182



4.5319, 0.4050, 0.5167

Inverse Universe

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



62.1371, 0.2804, 0.2704



56.4894, 0.2736, 0.2583



66.2465, 0.2989, 0.2735



17.4589, 0.2993, 0.3045



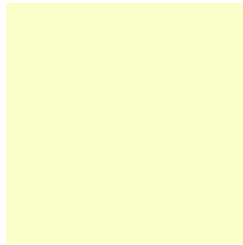
3.9000, 0.1530, 0.0617



0.4058, 0.1592, 0.0651

Previews

White Background



This preview shows how the Yxy color 96.0610, 0.3414, 0.3826 looks on a white background.

Color Contrast Check

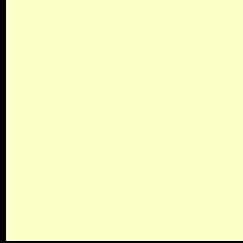
Large Text (above 18pt) WCAG AA × Fail

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 96.0610, 0.3414, 0.3826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

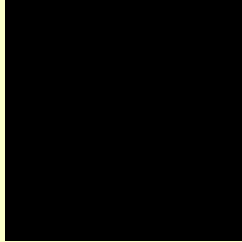
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.0610, 0.3414, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 96.0610, 0.3414, 0.3826.

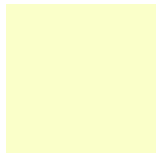


This preview shows how white text looks on a background with the Yxy color 96.0610, 0.3414, 0.3826.

Color Blindness Simulation

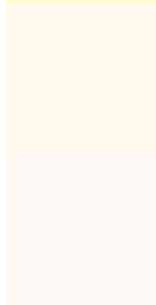
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.0610, 0.3414, 0.3826



Protanopia

95.7456, 0.3236, 0.3416

Deuteranopia

95.6652, 0.3183, 0.3319

Tritanopia

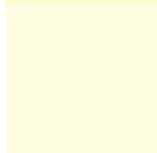
95.8540, 0.3117, 0.3233

Trichromacy



Original Color

96.0610, 0.3414, 0.3826



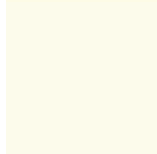
Protanomaly

95.8853, 0.3300, 0.3564



Deuteranomaly

95.5902, 0.3265, 0.3495



Tritanomaly

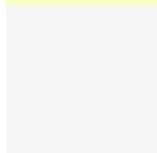
95.6880, 0.3228, 0.3446

Monochromacy



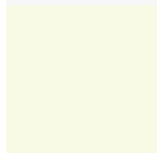
Original Color

96.0610, 0.3414, 0.3826



Achromatopsia

93.0111, 0.3127, 0.3290



Achromatomaly

94.0408, 0.3233, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.0610, 0.3414, 0.3826 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(250, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 96.0610, 0.3414, 0.3826 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(250, 255, 201) }
```

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

```
.border{ border-color:rgb(250, 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(250, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 96.0610, 0.3414, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 201) }
```

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

```
.background{ background-color: rgb(250,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor