

Converting Colors

$Y_{xy}(100.0000, 0.3390, 0.3836)$

Have a look what the booklet for
Yxy(100.0000, 0.3390, 0.3836)
contains.

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Color

Yxy(96.4370, 0.3397, 0.3785)

Conversions

Conversions Part 1

Format	Color
Hex	FBFFCD
RGB	251, 255, 205
RGB Percent	98%, 100%, 80%
CMY	0.0158, 0.0000, 0.1961
CMYK	0.02, 0.00, 0.20, 0.00
HSL	65°, 100%, 90%
HSV	65°, 20%, 100%
XYZ	86.5513, 96.4370, 71.7991
YIQ	248.1040, 13.6660, -16.3980

Conversions

Conversions Part 2

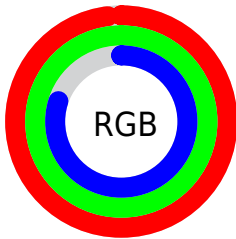
Format	Color
R_{YB}	205, 255, 209
Decimal	16515021
CIE Lab	98.61, -9.35, 23.52
CIE LCh	99, 25.308, 111.693
Yxy	96.4370, 0.3397, 0.3785
Android (android.graphics.Color)	4294705101 (0xFFFBFFCD)
YUV	248.1040, -21.2503, 2.5398
Hunter-Lab	98.2023, -14.5320, 25.3927

Details

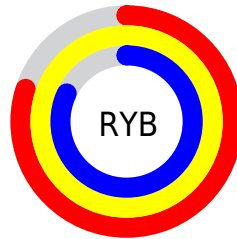
The Yxy color **96.4370, 0.3397, 0.3785** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.4339, 0.2826, 0.2752**, and the grayscale version is **94.1156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.0919, 0.3448, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **94.9165, 0.3535, 0.4043**, and if you desaturate by 10%, it is **98.1471, 0.3258, 0.3528**.

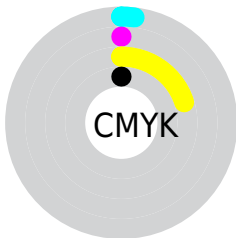
Distribution



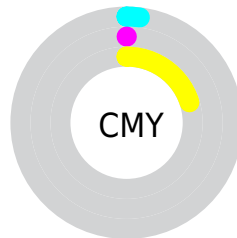
- Red (98%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.4370, 0.3397, 0.3785 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 96.4370, 0.3397, 0.3785 by changing the saturation by 10% instead.

 96.4370, 0.3397,
0.3785

 96.4370, 0.3397,
0.3785

548.7552, 0.3281,
0.3564

 73.3316, 0.3422,
0.3834


156.2484, 0.3358,
0.3710

 54.2471, 0.3451,
0.3892


193.7231, 0.3343,
0.3680

 38.7993, 0.3486,
0.3965


236.7564, 0.3329,
0.3655

 26.6036, 0.3530,
0.4058

285.7327, 0.3317,
0.3632

 17.2757, 0.3586,
0.4180

341.0363, 0.3307,
0.3612

 10.4313, 0.3657,
0.4345

403.0517, 0.3297,

 5.6858, 0.3749,

0.3594

0.4582

472.1632, 0.3289,
0.3578

■ 2.6550, 0.3897,
0.4980

■ 0.9544, 0.4150,
0.5850

■ 96.4370, 0.3397,
0.3785

■ 96.4370, 0.3397,
0.3785

■ 94.9165, 0.3535,
0.4043

■ 98.1471, 0.3258,
0.3528

■ 93.5987, 0.3666,
0.4295

100.0000, 0.3127,
0.3290

■ 92.4656, 0.3786,
0.4530

■ 91.5055, 0.3888,
0.4738

■ 90.7056, 0.3967,
0.4910

■ 90.0511, 0.4020,
0.5038

■ 89.5246, 0.4046,
0.5121

■ 89.0986, 0.4050,
0.5165

■ 89.0829, 0.4050,
0.5166

Harmonies

Analogous

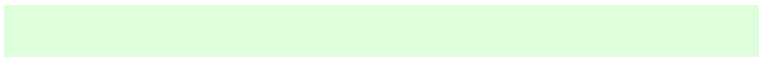
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4370, 0.3603, 0.3708



96.4370, 0.3397, 0.3785



96.4370, 0.3124, 0.3718

Triad

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



96.4370, 0.3397, 0.3785



96.4370, 0.2603, 0.3018



96.4370, 0.3389, 0.3074

Complementary

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



96.4370, 0.3397, 0.3785



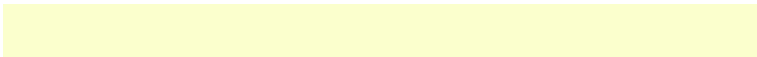
64.4339, 0.2826, 0.2752

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.



96.4370, 0.3111, 0.2908



96.4370, 0.3397, 0.3785



96.4370, 0.2666, 0.2868

Square

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



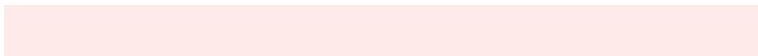
96.4370, 0.3397, 0.3785



96.4370, 0.2673, 0.3255



96.4370, 0.2847, 0.2832



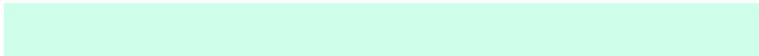
96.4370, 0.3602, 0.3296

Rectangle

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



96.4370, 0.3397, 0.3785



96.4370, 0.2943, 0.3596



96.4370, 0.2847, 0.2832



96.4370, 0.3300, 0.3011

Sweetspot

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



96.4293, 0.3397, 0.3785



98.8200, 0.3208, 0.3438



70.9346, 0.3511, 0.3325



21.1251, 0.3217, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

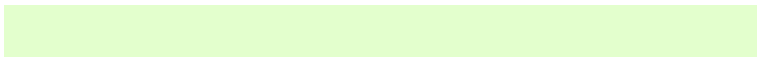
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4293, 0.3397, 0.3785



95.7411, 0.3458, 0.3898



92.2024, 0.3238, 0.3811



21.0118, 0.3257, 0.3526



46.5789, 0.4052, 0.5164



4.5564, 0.4069, 0.5151

Inverse Universe

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



64.4339, 0.2826, 0.2752



57.8212, 0.2748, 0.2614



68.2540, 0.2994, 0.2777



17.4478, 0.2991, 0.3045



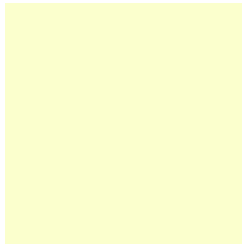
3.8779, 0.1525, 0.0614



0.4005, 0.1579, 0.0644

Previews

White Background



This preview shows how the Yxy color 96.4370, 0.3397, 0.3785 looks on a white background.

Color Contrast Check

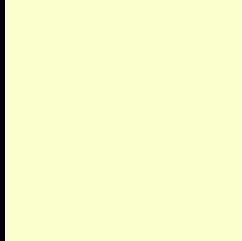
Large Text (above 18pt) WCAG AA × Fail

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 96.4370, 0.3397, 0.3785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

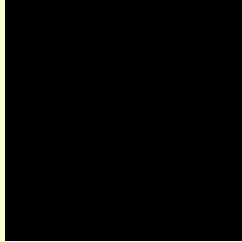
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.4370, 0.3397, 0.3785

Background



This preview shows how black text looks on a background with the Yxy color 96.4370, 0.3397, 0.3785.

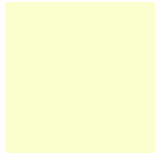


This preview shows how white text looks on a background with the Yxy color 96.4370, 0.3397, 0.3785.

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

96.4370, 0.3397, 0.3785



Protanopia

96.4864, 0.3224, 0.3406

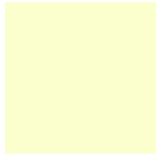
Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

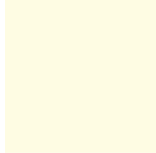
96.4739, 0.3117, 0.3242

Trichromacy



Original Color

96.4370, 0.3397, 0.3785



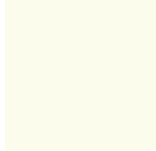
Protanomaly

96.2377, 0.3288, 0.3534



Deuteranomaly

96.5178, 0.3258, 0.3485



Tritanomaly

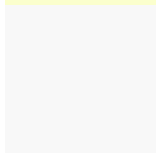
96.4307, 0.3215, 0.3436

Monochromacy



Original Color

96.4370, 0.3397, 0.3785



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

94.9603, 0.3227, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4370, 0.3397, 0.3785 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(251, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 205)  
}
```

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(251, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 96.4370, 0.3397, 0.3785 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(251, 255, 205) }
```

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

```
.border{ border-color:rgb(251, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4370, 0.3397, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 205) }
```

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

```
.background{ background-color: rgb(251,  
255, 205) }
```

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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