

Converting Colors

$Y_{xy}(100.0000, 0.3326, 0.3754)$

Have a look what the booklet for
Yxy(100.0000, 0.3326, 0.3754)
contains.

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Color

Yxy(96.4638, 0.3336, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFD5
RGB	249, 255, 213
RGB Percent	98%, 100%, 84%
CMY	0.0236, 0.0000, 0.1647
CMYK	0.02, 0.00, 0.16, 0.00
HSL	69°, 100%, 92%
HSV	69°, 16%, 100%
XYZ	86.8330, 96.4638, 76.9940
YIQ	248.4180, 9.9060, -14.3340

Conversions

Conversions Part 2

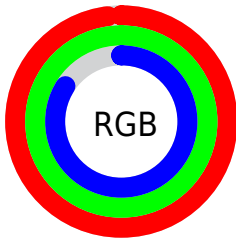
Format	Color
R _Y B	213, 255, 219
Decimal	16383957
CIE Lab	98.62, -8.87, 19.43
CIE LCh	99, 21.363, 114.546
Yxy	96.4638, 0.3336, 0.3706
Android (android.graphics.Color)	4294574037 (0xFFF9FFD5)
YUV	248.4180, -17.4611, 0.5104
Hunter-Lab	98.2160, -14.0656, 22.2722

Details

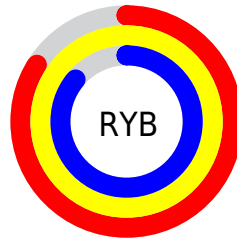
The Yxy color **96.4638, 0.3336, 0.3706** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.8727, 0.2897, 0.2849**, and the grayscale version is **94.3644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.0633, 0.3378, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **94.6018, 0.3463, 0.3969**, and if you desaturate by 10%, it is **98.5373, 0.3208, 0.3450**.

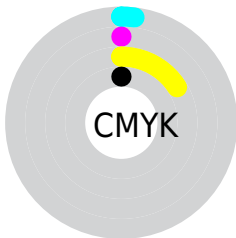
Distribution



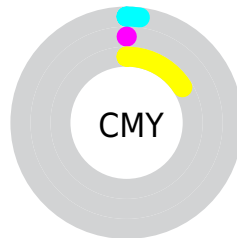
- Red (98%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (86%)



- Cyan (2%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.4638, 0.3336, 0.3706 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 96.4638, 0.3336, 0.3706 by changing the saturation by 10% instead.

 96.4638, 0.3336,
0.3706

 96.4638, 0.3336,
0.3706


548.8406, 0.3246,
0.3520

 73.3539, 0.3355,
0.3747


156.2854, 0.3306,
0.3643

 54.2654, 0.3378,
0.3797


193.7658, 0.3294,
0.3618

 38.8139, 0.3406,
0.3858


236.8052, 0.3283,
0.3596

 26.6150, 0.3441,
0.3937

285.7880, 0.3274,
0.3577

 17.2843, 0.3485,
0.4040

341.0985, 0.3266,
0.3561

 10.4374, 0.3542,
0.4182

403.1212, 0.3259,

 5.6899, 0.3619,

0.3546

0.4387

472.2405, 0.3252,
0.3532

■ 2.6575, 0.3723,
0.4708

■ 0.9556, 0.4193,
0.5807

■ 96.4638, 0.3336,
0.3706

■ 96.4638, 0.3336,
0.3706

■ 94.6018, 0.3463,
0.3969

■ 98.5373, 0.3208,
0.3450

■ 92.9495, 0.3586,
0.4231

100.0000, 0.3127,
0.3290

■ 91.4940, 0.3698,
0.4481

■ 90.2240, 0.3795,
0.4711

■ 89.1270, 0.3870,
0.4908

■ 88.1889, 0.3920,
0.5064

■ 87.3932, 0.3944,
0.5174

■ 86.7192, 0.3942,
0.5239

■ 86.4993, 0.3938,
0.5255

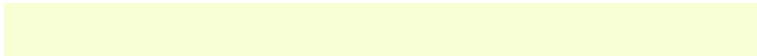
Harmonies

Analogous

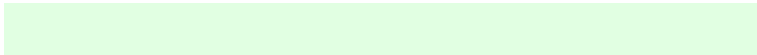
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4638, 0.3517, 0.3655



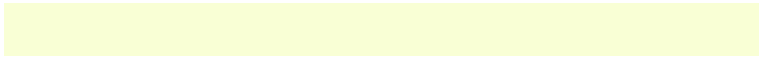
96.4638, 0.3336, 0.3706



96.4638, 0.3104, 0.3636

Triad

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



96.4638, 0.3336, 0.3706



96.4638, 0.2682, 0.3046



96.4638, 0.3369, 0.3124

Complementary

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



96.4638, 0.3336, 0.3706



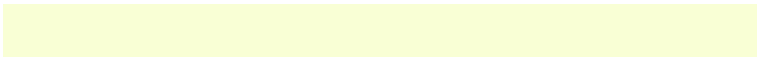
69.8727, 0.2897, 0.2849

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.



96.4638, 0.3137, 0.2975



96.4638, 0.3336, 0.3706



96.4638, 0.2746, 0.2925

Square

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



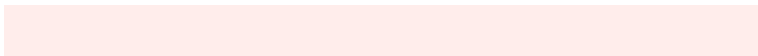
96.4638, 0.3336, 0.3706



96.4638, 0.2732, 0.3242



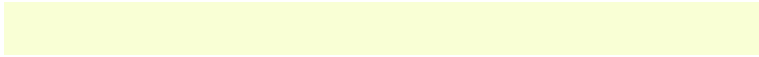
96.4638, 0.2910, 0.2903



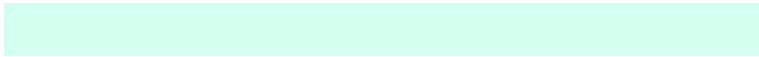
96.4638, 0.3538, 0.3316

Rectangle

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



96.4638, 0.3336, 0.3706



96.4638, 0.2952, 0.3529



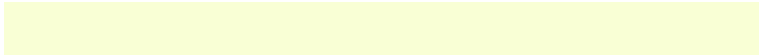
96.4638, 0.2910, 0.2903



96.4638, 0.3296, 0.3067

Sweetspot

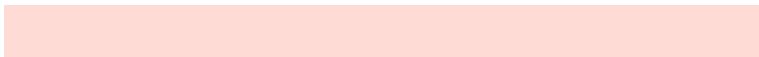
The Sweet Spot groups the original color and five complimentary colors.



96.4612, 0.3336, 0.3706



98.8611, 0.3190, 0.3413



76.5201, 0.3433, 0.3348



21.1271, 0.3199, 0.3430



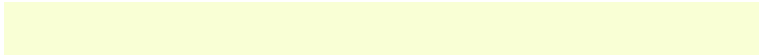
0.0000, 0.0000, 0.0000



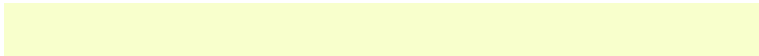
21.4041, 0.3127, 0.3290

Same Dimension

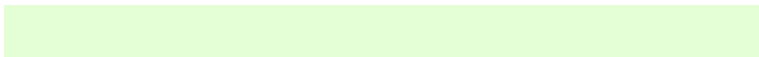
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4612, 0.3336, 0.3706



95.7805, 0.3381, 0.3798



92.8840, 0.3203, 0.3724



20.9511, 0.3247, 0.3526



45.2482, 0.3942, 0.5252



4.4402, 0.3973, 0.5228

Inverse Universe

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



69.8727, 0.2897, 0.2849



64.2996, 0.2841, 0.2743



73.2654, 0.3038, 0.2867



17.5025, 0.3001, 0.3046



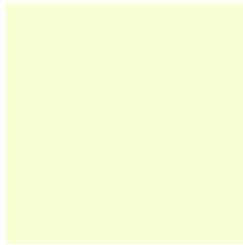
4.0110, 0.1556, 0.0631



0.4262, 0.1639, 0.0677

Previews

White Background



This preview shows how the Yxy color 96.4638, 0.3336, 0.3706 looks on a white background.

Color Contrast Check

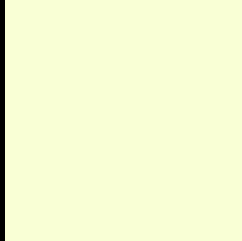
Large Text (above 18pt) WCAG AA × Fail

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 96.4638, 0.3336, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

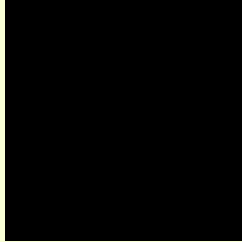
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.4638, 0.3336, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 96.4638, 0.3336, 0.3706.

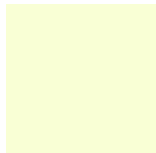


This preview shows how white text looks on a background with the Yxy color 96.4638, 0.3336, 0.3706.

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

96.4638, 0.3336, 0.3706



Protanopia

96.5456, 0.3218, 0.3396

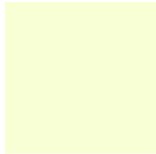
Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

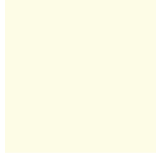
96.2867, 0.3111, 0.3242

Trichromacy



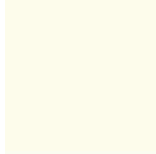
Original Color

96.4638, 0.3336, 0.3706



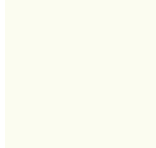
Protanomaly

96.2166, 0.3264, 0.3505



Deuteranomaly

96.5016, 0.3234, 0.3455



Tritanomaly

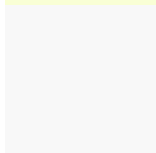
96.4213, 0.3191, 0.3407

Monochromacy



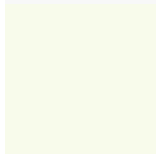
Original Color

96.4638, 0.3336, 0.3706



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

94.9490, 0.3202, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4638, 0.3336, 0.3706 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(249, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 213)  
}
```

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(249, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 96.4638, 0.3336, 0.3706 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(249, 255, 213) }
```

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

```
.border{ border-color:rgb(249, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4638, 0.3336, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 213) }
```

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

```
.background{ background-color: rgb(249,  
255, 213) }
```

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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