

Converting Colors

$Y_{xy}(100.0000, 0.3368, 0.3774)$

Have a look what the booklet for
Yxy(100.0000, 0.3368, 0.3774)
contains.

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Color

Yxy(96.8686, 0.3374, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	FCFFD2
RGB	252, 255, 210
RGB Percent	99%, 100%, 82%
CMY	0.0116, 0.0000, 0.1764
CMYK	0.01, 0.00, 0.18, 0.00
HSL	64°, 100%, 91%
HSV	64°, 18%, 100%
XYZ	87.5528, 96.8686, 75.0712
YIQ	248.9730, 12.6570, -14.6310

Conversions

Conversions Part 2

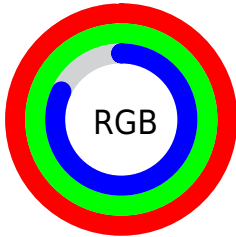
Format	Color
RYB	210, 255, 213
Decimal	16580562
CIELab	98.78, -8.23, 21.20
CIElCh	99, 22.745, 111.208
Yxy	96.8686, 0.3374, 0.3733
Android (android.graphics.Color)	4294770642 (0xFFFCFFD2)
YUV	248.9730, -19.2137, 2.6547
Hunter-Lab	98.4218, -13.4505, 23.6719

Details

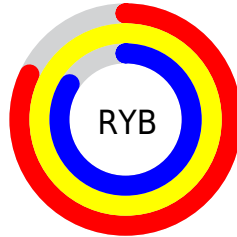
The Yxy color **96.8686, 0.3374, 0.3733** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.4667, 0.2855, 0.2811**, and the grayscale version is **94.8705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.3568, 0.3426, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **95.3910, 0.3515, 0.3991**, and if you desaturate by 10%, it is **98.5600, 0.3233, 0.3478**.

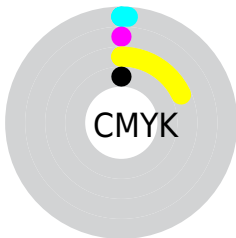
Distribution



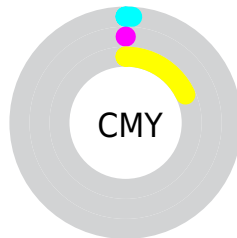
- Red (99%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.8686, 0.3374, 0.3733 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 96.8686, 0.3374, 0.3733 by changing the saturation by 10% instead.


 96.8686, 0.3374,
0.3733

 96.8686, 0.3374,
0.3733


550.1300, 0.3267,
0.3536

 73.6912, 0.3397,
0.3776

156.8436, 0.3338,
0.3666

 54.5413, 0.3424,
0.3829


194.4101, 0.3324,
0.3640

 39.0346, 0.3457,
0.3894


237.5416, 0.3312,
0.3617

 26.7867, 0.3498,
0.3977

286.6226, 0.3301,
0.3596

 17.4131, 0.3550,
0.4085

342.0376, 0.3291,
0.3579

 10.5294, 0.3617,
0.4233

404.1709, 0.3282,

 5.7514, 0.3708,

0.3563

0.4445

473.4069, 0.3275,
0.3548

■ 2.6945, 0.3835,
0.4780

■ 0.9744, 0.4258,
0.5742

■ 96.8686, 0.3374,
0.3733

■ 96.8686, 0.3374,
0.3733

■ 95.3910, 0.3515,
0.3991

■ 98.5600, 0.3233,
0.3478

■ 94.1048, 0.3651,
0.4243

99.9940, 0.3127,
0.3290

■ 93.0039, 0.3776,
0.4480

■ 92.0770, 0.3885,
0.4691

■ 91.3116, 0.3971,
0.4867

■ 90.6933, 0.4032,
0.5001

■ 90.2054, 0.4067,
0.5090

■ 89.8255, 0.4077,
0.5137

■ 89.7438, 0.4077,
0.5145

Harmonies

Analogous

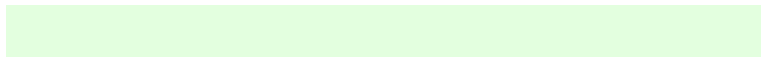
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.8686, 0.3557, 0.3664



96.8686, 0.3374, 0.3733



96.8686, 0.3130, 0.3674

Triad

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



96.8686, 0.3374, 0.3733



96.8686, 0.2655, 0.3050



96.8686, 0.3359, 0.3093

Complementary

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



96.8686, 0.3374, 0.3733



67.4667, 0.2855, 0.2811

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.



96.8686, 0.3109, 0.2943



96.8686, 0.3374, 0.3733



96.8686, 0.2710, 0.2912

Square

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



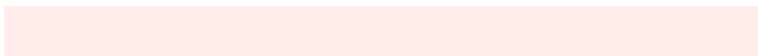
96.8686, 0.3374, 0.3733



96.8686, 0.2720, 0.3264



96.8686, 0.2873, 0.2877



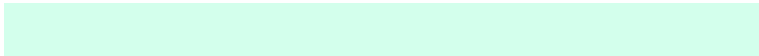
96.8686, 0.3550, 0.3293

Rectangle

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



96.8686, 0.3374, 0.3733



96.8686, 0.2966, 0.3566



96.8686, 0.2873, 0.2877



96.8686, 0.3278, 0.3035

Sweetspot

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



96.8729, 0.3374, 0.3733



99.0479, 0.3196, 0.3413



73.1367, 0.3466, 0.3314



21.1726, 0.3206, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

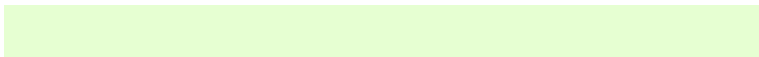
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.8729, 0.3374, 0.3733



96.3596, 0.3422, 0.3820



93.0345, 0.3232, 0.3753



21.0267, 0.3259, 0.3525



46.9228, 0.4079, 0.5143



4.5862, 0.4093, 0.5132

Inverse Universe

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



67.4667, 0.2855, 0.2811



62.1761, 0.2796, 0.2708



70.9461, 0.3005, 0.2832



17.4345, 0.2989, 0.3045



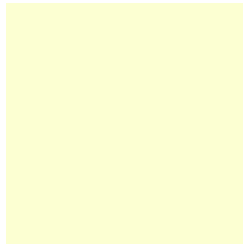
3.8545, 0.1519, 0.0611



0.3942, 0.1565, 0.0636

Previews

White Background



This preview shows how the Yxy color 96.8686, 0.3374, 0.3733 looks on a white background.

Color Contrast Check

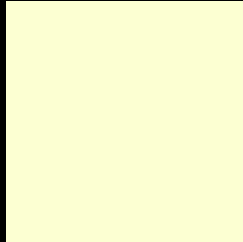
Large Text (above 18pt) WCAG AA × Fail

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 96.8686, 0.3374, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

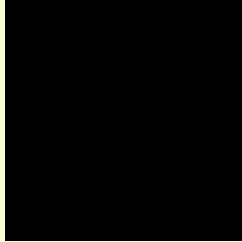
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.8686, 0.3374, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 96.8686, 0.3374, 0.3733.



This preview shows how white text looks on a background with the Yxy color 96.8686, 0.3374, 0.3733.

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

96.8686, 0.3374, 0.3733



Protanopia

96.6652, 0.3206, 0.3377

Deuteranopia

97.0317, 0.3170, 0.3319

Tritanopia

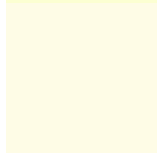
96.4739, 0.3117, 0.3242

Trichromacy



Original Color

96.8686, 0.3374, 0.3733



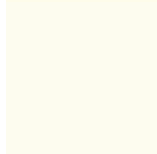
Protanomaly

96.4048, 0.3270, 0.3504



Deuteranomaly

96.6322, 0.3246, 0.3465



Tritanomaly

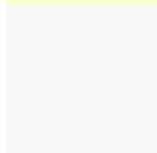
96.7354, 0.3210, 0.3416

Monochromacy



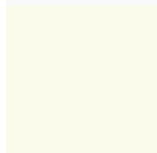
Original Color

96.8686, 0.3374, 0.3733



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.3165, 0.3215, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.8686, 0.3374, 0.3733 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(252, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 210)  
}
```

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(252, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 96.8686, 0.3374, 0.3733 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(252, 255, 210) }
```

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

```
.border{ border-color:rgb(252, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 96.8686, 0.3374, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 210) }
```

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

```
.background{ background-color: rgb(252,  
255, 210) }
```

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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