

Converting Colors

$Y_{xy}(100.0000, 0.3785, 0.3936)$

Have a look what the booklet for
Yxy(100.0000, 0.3785, 0.3936)
contains.

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Color

Yxy(93.5906, 0.3578, 0.3982)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBB5
RGB	255, 251, 181
RGB Percent	100%, 98%, 71%
CMY	0.0000, 0.0157, 0.2902
CMYK	0.00, 0.02, 0.29, 0.00
HSL	57°, 100%, 85%
HSV	57°, 29%, 100%
XYZ	84.0952, 93.5906, 57.3483
YIQ	244.2160, 24.8540, -20.9220

Conversions

Conversions Part 2

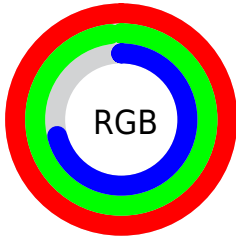
Format	Color
RYB	185, 255, 181
Decimal	16776117
CIELab	97.47, -9.07, 34.12
CIELCh	97, 35.302, 104.894
Yxy	93.5906, 0.3578, 0.3982
Android (android.graphics.Color)	4294966197 (0xFFFFFBB5)
YUV	244.2160, -31.1655, 9.4576
Hunter-Lab	96.7422, -14.1340, 32.5727

Details

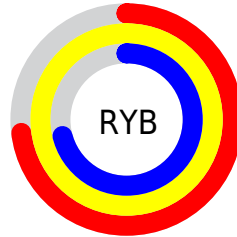
The Yxy color **93.5906, 0.3578, 0.3982** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.7481, 0.2619, 0.2489**, and the grayscale version is **90.8812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **52.4590, 0.3657, 0.4131** is the 20% darker color. If you saturate the color by 10%, you get **91.7690, 0.3733, 0.4216**, and if you desaturate by 10%, it is **95.5941, 0.3419, 0.3741**.

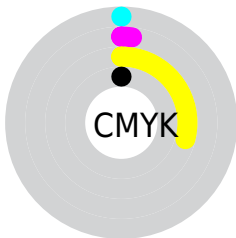
Distribution



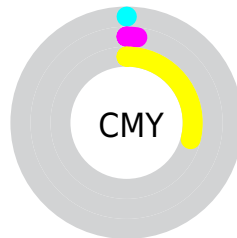
- Red (100%)
- Green (98%)
- Blue (71%)



- Red (73%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.5906, 0.3578, 0.3982 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 93.5906, 0.3578, 0.3982 by changing the saturation by 10% instead.


 93.5906, 0.3578,
0.3982

 93.5906, 0.3578,
0.3982


539.6430, 0.3384,
0.3673

 70.9625, 0.3618,
0.4049


 152.3160, 0.3514,
0.3877

 52.3116, 0.3667,
0.4130

189.1821, 0.3488,
0.3836

 37.2535, 0.3724,
0.4230


231.5630, 0.3465,
0.3800

 25.4038, 0.3794,
0.4356

279.8431, 0.3445,
0.3768

 16.3782, 0.3880,
0.4517

334.4067, 0.3427,
0.3741

 9.7922, 0.3984,
0.4729

395.6383, 0.3411,

 5.2614, 0.4105,

0.3716

0.5013

463.9223, 0.3397,
0.3693

■ 2.4014, 0.4389,
0.5611

■ 0.8266, 0.4056,
0.5944

■ 93.5906, 0.3578,
0.3982

■ 93.5906, 0.3578,
0.3982

■ 91.7690, 0.3733,
0.4216

■ 95.5941, 0.3419,
0.3741

■ 90.1428, 0.3879,
0.4432

■ 97.8131, 0.3263,
0.3501

■ 88.6925, 0.4010,
0.4620

100.0000, 0.3127,
0.3290

■ 87.4054, 0.4119,
0.4773

■ 86.2669, 0.4203,
0.4882

■ 85.2596, 0.4259,
0.4947

■ 84.3580, 0.4291,
0.4972

■ 84.2721, 0.4293,
0.4973

Harmonies

Analogous

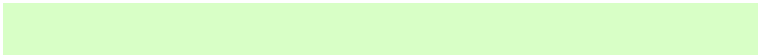
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5906, 0.3839, 0.3819



93.5906, 0.3578, 0.3982



93.5906, 0.3205, 0.3945

Triad

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



93.5906, 0.3578, 0.3982



93.5906, 0.2408, 0.2966



93.5906, 0.3408, 0.2930

Complementary

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



93.5906, 0.3578, 0.3982



51.7481, 0.2619, 0.2489

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.



93.5906, 0.3010, 0.2728



93.5906, 0.3578, 0.3982



93.5906, 0.2453, 0.2732

Square

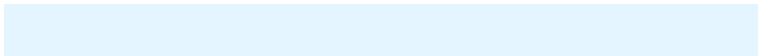
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.5906, 0.3578, 0.3982



93.5906, 0.2540, 0.3319



93.5906, 0.2666, 0.2654



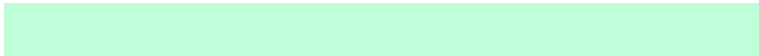
93.5906, 0.3744, 0.3218

Rectangle

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



93.5906, 0.3578, 0.3982



93.5906, 0.2947, 0.3797



93.5906, 0.2666, 0.2654



93.5906, 0.3276, 0.2851

Sweetspot

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



93.5826, 0.3578, 0.3982



97.8175, 0.3263, 0.3500



57.8510, 0.3731, 0.3240



20.8650, 0.3285, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

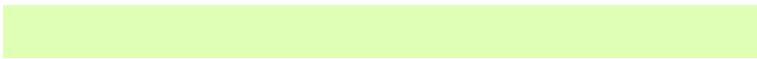
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5826, 0.3578, 0.3982



92.4747, 0.3671, 0.4123



90.5338, 0.3352, 0.4072



20.9119, 0.3270, 0.3512



44.1072, 0.4291, 0.4975



4.3441, 0.4279, 0.4984

Inverse Universe

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



51.7481, 0.2619, 0.2489



44.2712, 0.2497, 0.2293



54.4248, 0.2842, 0.2493



17.5357, 0.2978, 0.3058



3.9978, 0.1509, 0.0632



0.4424, 0.1530, 0.0708

Previews

White Background



This preview shows how the Yxy color 93.5906, 0.3578, 0.3982 looks on a white background.

Color Contrast Check

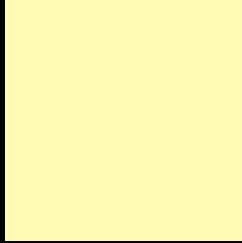
Large Text (above 18pt) WCAG AA × Fail

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 93.5906, 0.3578, 0.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

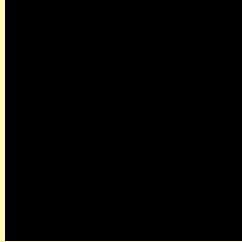
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.5906, 0.3578, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 93.5906, 0.3578, 0.3982.

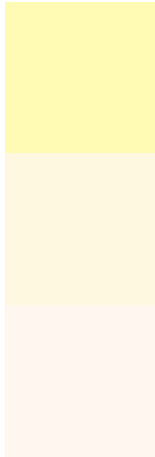


This preview shows how white text looks on a background with the Yxy color 93.5906, 0.3578, 0.3982.

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

93.5906, 0.3578, 0.3982

Protanopia

93.7766, 0.3318, 0.3525

Deuteranopia

93.4035, 0.3228, 0.3358



Tritanopia

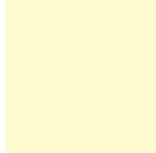
93.6567, 0.3144, 0.3213

Trichromacy



Original Color

93.5906, 0.3578, 0.3982



Protanomaly

93.5654, 0.3416, 0.3695



Deuteranomaly

93.4568, 0.3355, 0.3585



Tritanomaly

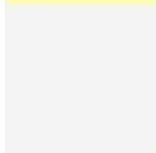
93.3276, 0.3301, 0.3486

Monochromacy



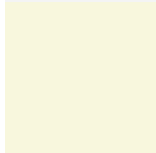
Original Color

93.5906, 0.3578, 0.3982



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.6984, 0.3291, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5906, 0.3578, 0.3982 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(255, 251, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 181)  
}
```

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(255, 251, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 181) }
```

Border

The CSS property to change the border of an element to Yxy 93.5906, 0.3578, 0.3982 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(255, 251, 181) }
```

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

```
.border{ border-color:rgb(255, 251, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5906, 0.3578, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 181) }
```

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

```
.background{ background-color: rgb(255,  
251, 181) }
```

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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