

Converting Colors

$Y_{xy}(100.0000, 0.3547, 0.4211)$

Have a look what the booklet for
Yxy(100.0000, 0.3547, 0.4211)
contains.

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Color

Yxy(94.2344, 0.3571, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFAB
RGB	247, 255, 171
RGB Percent	97%, 100%, 67%
CMY	0.0315, 0.0000, 0.3294
CMYK	0.03, 0.00, 0.33, 0.00
HSL	66°, 100%, 84%
HSV	66°, 33%, 100%
XYZ	81.4599, 94.2344, 52.4209
YIQ	243.0320, 22.1960, -27.8200

Conversions

Conversions Part 2

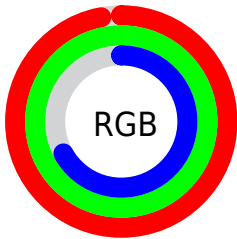
Format	Color
RYB	171, 255, 179
Decimal	16252843
CIELab	97.73, -15.26, 39.33
CIELCh	98, 42.185, 111.207
Yxy	94.2344, 0.3571, 0.4131
Android (android.graphics.Color)	4294442923 (0xFFFF7FFAB)
YUV	243.0320, -35.5118, 3.4799
Hunter-Lab	97.0744, -20.0920, 35.9351

Details

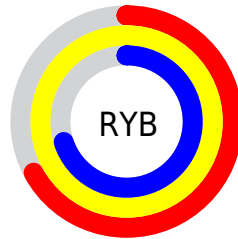
The Yxy color **94.2344, 0.3571, 0.4131** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9316, 0.2587, 0.2321**, and the grayscale version is **89.9205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **52.6433, 0.3655, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **92.9080, 0.3696, 0.4380**, and if you desaturate by 10%, it is **95.7428, 0.3437, 0.3872**.

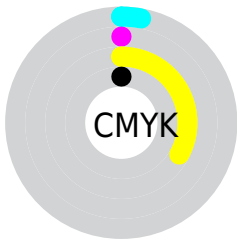
Distribution



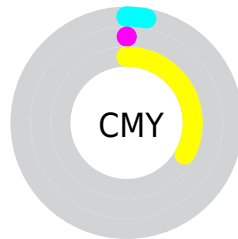
- Red (97%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (70%)



- Cyan (3%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.2344, 0.3571, 0.4131 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 94.2344, 0.3571, 0.4131 by changing the saturation by 10% instead.

 94.2344, 0.3571,
0.4131

 94.2344, 0.3571,
0.4131


541.7111, 0.3385,
0.3753

 71.4979, 0.3609,
0.4214

 153.2065, 0.3510,
0.4003

 52.7486, 0.3652,
0.4313


190.2109, 0.3486,
0.3952

 37.6022, 0.3704,
0.4436


232.7400, 0.3464,
0.3908

 25.6741, 0.3764,
0.4590

281.1783, 0.3444,
0.3869

 16.5800, 0.3833,
0.4787

335.9102, 0.3427,
0.3835

 9.9355, 0.3908,
0.5045

397.3200, 0.3411,

 5.3562, 0.3991,

0.3805

0.5410

465.7922, 0.3397,
0.3778

■ 2.4577, 0.4053,
0.5947

■ 0.8554, 0.3399,
0.6601

■ 94.2344, 0.3571,
0.4131

■ 94.2344, 0.3571,
0.4131

■ 92.9080, 0.3696,
0.4380

■ 95.7428, 0.3437,
0.3872

■ 91.7699, 0.3808,
0.4610

■ 97.4603, 0.3301,
0.3613

■ 90.8022, 0.3900,
0.4810

■ 99.3903, 0.3166,
0.3362

■ 89.9918, 0.3968,
0.4971

100.0000, 0.3127,
0.3290

■ 89.3229, 0.4009,
0.5087

■ 88.7769, 0.4025,
0.5159

■ 88.4462, 0.4023,
0.5188

Harmonies

Analogous

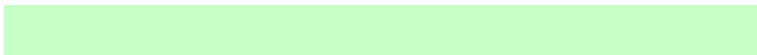
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2344, 0.3923, 0.3968



94.2344, 0.3571, 0.4131



94.2344, 0.3116, 0.4037

Triad

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



94.2344, 0.3571, 0.4131



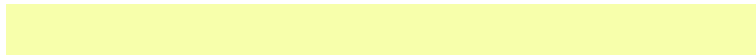
94.2344, 0.2275, 0.2826



94.2344, 0.3556, 0.2929

Complementary

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



94.2344, 0.3571, 0.4131



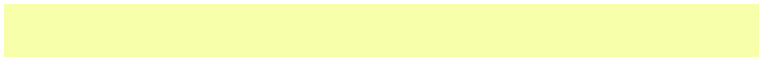
45.9316, 0.2587, 0.2321

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.



94.2344, 0.3083, 0.2670



94.2344, 0.3571, 0.4131



94.2344, 0.2370, 0.2594

Square

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



94.2344, 0.3571, 0.4131



94.2344, 0.2383, 0.3223



94.2344, 0.2654, 0.2547



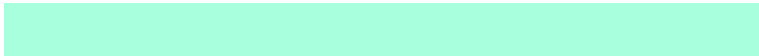
94.2344, 0.3926, 0.3277

Rectangle

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



94.2344, 0.3571, 0.4131



94.2344, 0.2817, 0.3825



94.2344, 0.2654, 0.2547



94.2344, 0.3402, 0.2830

Sweetspot

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



94.2288, 0.3571, 0.4131



98.0057, 0.3261, 0.3538



56.0398, 0.3875, 0.3366



20.9210, 0.3280, 0.3574



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

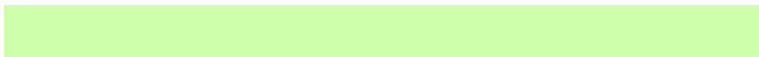
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.2288, 0.3571, 0.4131



93.2772, 0.3661, 0.4309



87.5817, 0.3297, 0.4211



20.9973, 0.3254, 0.3526



46.2512, 0.4026, 0.5185



4.5279, 0.4046, 0.5169

Inverse Universe

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



45.9316, 0.2587, 0.2321



37.7627, 0.2447, 0.2077



51.5601, 0.2890, 0.2398



17.4608, 0.2993, 0.3045



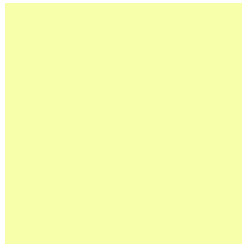
3.9040, 0.1531, 0.0617



0.4067, 0.1594, 0.0652

Previews

White Background



This preview shows how the Yxy color 94.2344, 0.3571, 0.4131 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 94.2344, 0.3571, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

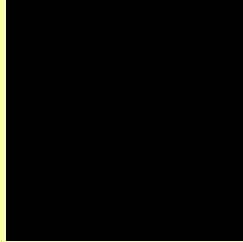
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.2344, 0.3571, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 94.2344, 0.3571, 0.4131.



This preview shows how white text looks on a background with the Yxy color 94.2344, 0.3571, 0.4131.

Color Blindness Simulation

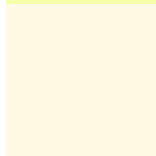
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



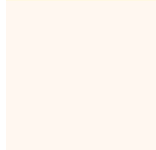
Original Color

94.2344, 0.3571, 0.4131



Protanopia

93.9409, 0.3300, 0.3496



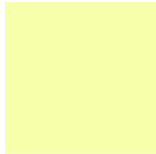
Deuteranopia

94.0728, 0.3221, 0.3358

Tritanopia

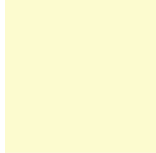
94.0142, 0.3118, 0.3204

Trichromacy



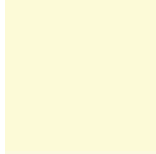
Original Color

94.2344, 0.3571, 0.4131



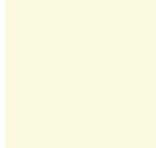
Protanomaly

94.1948, 0.3398, 0.3726



Deuteranomaly

93.9730, 0.3351, 0.3636



Tritanomaly

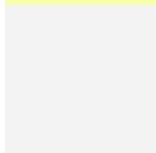
93.6424, 0.3290, 0.3537

Monochromacy



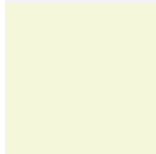
Original Color

94.2344, 0.3571, 0.4131



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.7644, 0.3289, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.2344, 0.3571, 0.4131 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(247, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 171)  
}
```

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(247, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 94.2344, 0.3571, 0.4131 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(247, 255, 171) }
```

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

```
.border{ border-color:rgb(247, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 94.2344, 0.3571, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 171) }
```

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

```
.background{ background-color: rgb(247,  
255, 171) }
```

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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