

Converting Colors

$Y_{xy}(100.0000, 0.3577, 0.4285)$

Have a look what the booklet for
Yxy(100.0000, 0.3577, 0.4285)
contains.

Yxy(93.7932, 0.3604, 0.4201)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.7932, 0.3604, 0.4201)

Conversions

Conversions Part 1

Format	Color
Hex	F6FFA4
RGB	246, 255, 164
RGB Percent	96%, 100%, 64%
CMY	0.0354, 0.0000, 0.3567
CMYK	0.04, 0.00, 0.36, 0.00
HSL	66°, 100%, 82%
HSV	66°, 36%, 100%
XYZ	80.4643, 93.7932, 49.0064
YIQ	241.9350, 23.8470, -30.2090

Conversions

Conversions Part 2

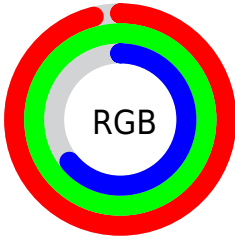
Format	Color
RYB	164, 255, 173
Decimal	16187300
CIELab	97.55, -16.44, 42.50
CIElCh	98, 45.570, 111.143
Yxy	93.7932, 0.3604, 0.4201
Android (android.graphics.Color)	4294377380 (0xFFFF6FFA4)
YUV	241.9350, -38.4220, 3.5650
Hunter-Lab	96.8469, -21.1770, 37.7909

Details

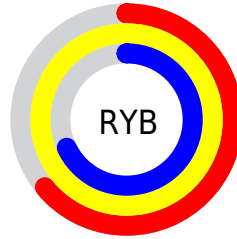
The Yxy color **93.7932, 0.3604, 0.4201** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.6804, 0.2536, 0.2228**, and the grayscale version is **89.0327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **52.3547, 0.3695, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **92.5054, 0.3726, 0.4447**, and if you desaturate by 10%, it is **95.2673, 0.3473, 0.3943**.

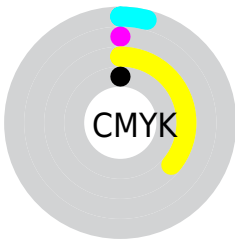
Distribution



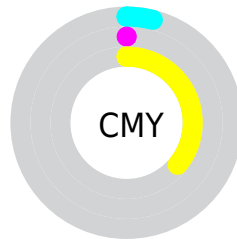
- Red (96%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (68%)



- Cyan (4%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7932, 0.3604, 0.4201 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 93.7932, 0.3604, 0.4201 by changing the saturation by 10% instead.

 93.7932, 0.3604,
0.4201


 93.7932, 0.3604,
0.4201


540.2943, 0.3405,
0.3792

 71.1310, 0.3644,
0.4290


 152.5963, 0.3540,
0.4062

 52.4491, 0.3689,
0.4398

 189.5060, 0.3513,
0.4007

 37.3632, 0.3742,
0.4530


231.9336, 0.3490,
0.3960

 25.4888, 0.3803,
0.4695


280.2635, 0.3469,
0.3918

 16.4416, 0.3871,
0.4904

334.8801, 0.3451,
0.3881

 9.8372, 0.3940,
0.5174

396.1679, 0.3434,

 5.2911, 0.4038,

0.3848

0.5593

464.5111, 0.3419,
0.3818

■ 2.4191, 0.3982,
0.6018

■ 0.8357, 0.3199,
0.6801

■ 93.7932, 0.3604,
0.4201

■ 93.7932, 0.3604,
0.4201

■ 92.5054, 0.3726,
0.4447

■ 95.2673, 0.3473,
0.3943

■ 91.3998, 0.3832,
0.4670

■ 96.9448, 0.3337,
0.3684

■ 90.4617, 0.3917,
0.4861

■ 98.8330, 0.3202,
0.3429

■ 89.6771, 0.3977,
0.5011

100.0000, 0.3127,
0.3290

■ 89.0300, 0.4010,
0.5115

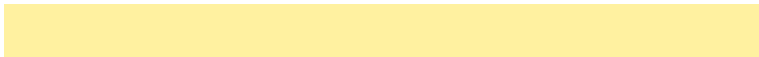
■ 88.5000, 0.4018,
0.5176

■ 88.2941, 0.4017,
0.5193

Harmonies

Analogous

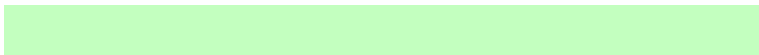
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7932, 0.3985, 0.4018



93.7932, 0.3604, 0.4201



93.7932, 0.3113, 0.4104

Triad

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



93.7932, 0.3604, 0.4201



93.7932, 0.2211, 0.2787



93.7932, 0.3590, 0.2900

Complementary

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



93.7932, 0.3604, 0.4201



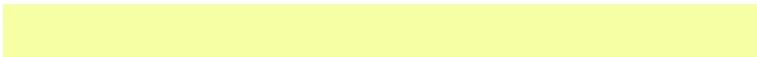
42.6804, 0.2536, 0.2228

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.



93.7932, 0.3076, 0.2624



93.7932, 0.3604, 0.4201



93.7932, 0.2312, 0.2540

Square

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



93.7932, 0.3604, 0.4201



93.7932, 0.2327, 0.3215



93.7932, 0.2615, 0.2492



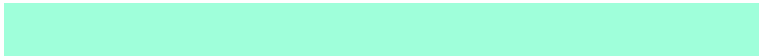
93.7932, 0.3991, 0.3271

Rectangle

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



93.7932, 0.3604, 0.4201



93.7932, 0.2792, 0.3873



93.7932, 0.2615, 0.2492



93.7932, 0.3422, 0.2795

Sweetspot

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



93.7909, 0.3604, 0.4201



97.7994, 0.3274, 0.3564



53.3055, 0.3962, 0.3372



20.8789, 0.3292, 0.3598



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

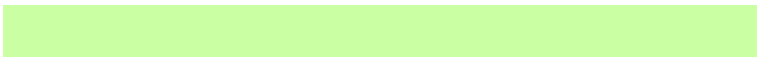
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.7909, 0.3604, 0.4201



92.8302, 0.3694, 0.4383



86.7509, 0.3308, 0.4296



20.9938, 0.3254, 0.3526



46.1729, 0.4020, 0.5190



4.5211, 0.4041, 0.5174

Inverse Universe

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



42.6804, 0.2536, 0.2228



34.6685, 0.2389, 0.1973



48.5557, 0.2865, 0.2319



17.4639, 0.2994, 0.3045



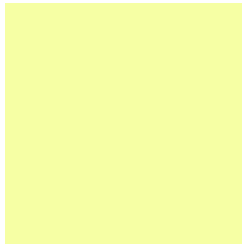
3.9108, 0.1533, 0.0618



0.4081, 0.1597, 0.0654

Previews

White Background



This preview shows how the Yxy color 93.7932, 0.3604, 0.4201 looks on a white background.

Color Contrast Check

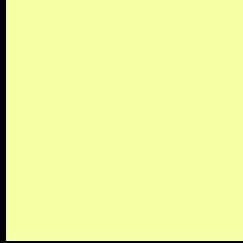
Large Text (above 18pt) WCAG AA × Fail

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 93.7932, 0.3604, 0.4201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

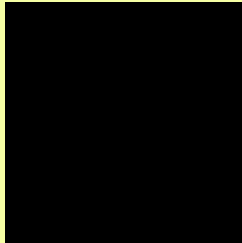
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.7932, 0.3604, 0.4201

Background



This preview shows how black text looks on a background with the Yxy color 93.7932, 0.3604, 0.4201.

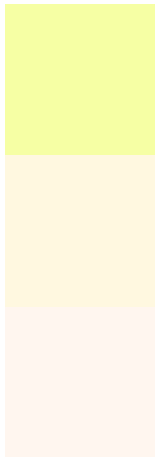


This preview shows how white text looks on a background with the Yxy color 93.7932, 0.3604, 0.4201.

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

93.7932, 0.3604, 0.4201

Protanopia

93.7766, 0.3318, 0.3525

Deuteranopia

93.4035, 0.3228, 0.3358



Tritanopia

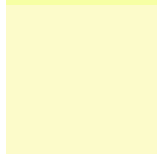
93.4075, 0.3119, 0.3194

Trichromacy



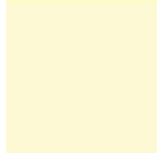
Original Color

93.7932, 0.3604, 0.4201



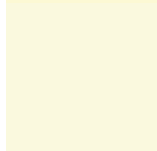
Protanomaly

93.9541, 0.3429, 0.3777



Deuteranomaly

93.2003, 0.3371, 0.3657



Tritanomaly

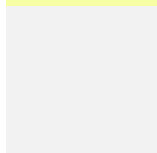
93.3493, 0.3296, 0.3558

Monochromacy



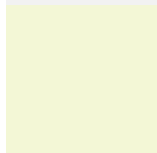
Original Color

93.7932, 0.3604, 0.4201



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.4313, 0.3301, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7932, 0.3604, 0.4201 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(246, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 164)  
}
```

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(246, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 164) }
```

Border

The CSS property to change the border of an element to Yxy 93.7932, 0.3604, 0.4201 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(246, 255, 164) }
```

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

```
.border{ border-color:rgb(246, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7932, 0.3604, 0.4201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 164) }
```

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

```
.background{ background-color: rgb(246,  
255, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor