

Converting Colors

$Y_{xy}(93.7701, 0.3680, 0.4302)$

Have a look what the booklet for
Yxy(93.7701, 0.3680, 0.4302)
contains.

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Color

Yxy(93.7764, 0.3680, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	F8FF99
RGB	248, 255, 153
RGB Percent	97%, 100%, 60%
CMY	0.0275, 0.0000, 0.4002
CMYK	0.03, 0.00, 0.40, 0.00
HSL	64°, 100%, 80%
HSV	64°, 40%, 100%
XYZ	80.2178, 93.7764, 43.9890
YIQ	241.2790, 28.5700, -33.2060

Conversions

Conversions Part 2

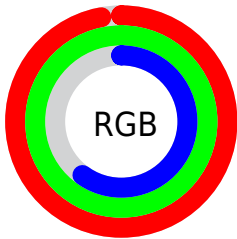
Format	Color
R_{YB}	153, 255, 160
Decimal	16318361
CIE _{Lab}	97.54, -16.89, 47.91
CIE _{LCh}	98, 50.801, 109.420
Yxy	93.7764, 0.3680, 0.4302
Android (android.graphics.Color)	4294508441 (0xFF8FF99)
YUV	241.2790, -43.5215, 5.8943
Hunter-Lab	96.8382, -21.6029, 40.8541

Details

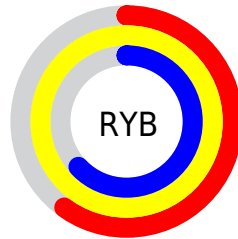
The Yxy color **93.7764, 0.3680, 0.4302** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.4568, 0.2428, 0.2071**, and the grayscale version is **88.5219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **52.2554, 0.3776, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **92.7022, 0.3801, 0.4534**, and if you desaturate by 10%, it is **95.0303, 0.3547, 0.4052**.

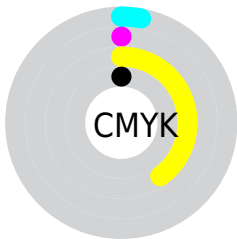
Distribution



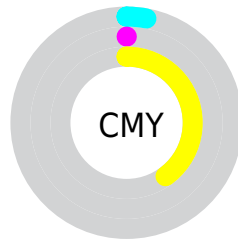
- Red (97%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (63%)



- Cyan (3%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7764, 0.3680, 0.4302 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 93.7764, 0.3680, 0.4302 by changing the saturation by 10% instead.

 93.7764, 0.3680,
0.4302

 93.7764, 0.3680,
0.4302


540.2403, 0.3452,
0.3850

 71.1170, 0.3725,
0.4399


 152.5731, 0.3607,
0.4149

 52.4377, 0.3776,
0.4516

 189.4791, 0.3577,
0.4089

 37.3541, 0.3834,
0.4659


231.9028, 0.3550,
0.4036

 25.4817, 0.3899,
0.4834

280.2286, 0.3526,
0.3990

 16.4363, 0.3967,
0.5053

334.8409, 0.3504,
0.3949

 9.8334, 0.4029,
0.5325

396.1240, 0.3485,

 5.2887, 0.4173,

0.3912

0.5827

464.4623, 0.3468,
0.3879

■ 2.4176, 0.3957,
0.6043

■ 0.8349, 0.3135,
0.6865

■ 93.7764, 0.3680,
0.4302

■ 93.7764, 0.3680,
0.4302

■ 92.7022, 0.3801,
0.4534

■ 95.0303, 0.3547,
0.4052

■ 91.8012, 0.3904,
0.4739

■ 96.4793, 0.3407,
0.3795

■ 91.0586, 0.3984,
0.4906

■ 98.1317, 0.3266,
0.3538

■ 90.4597, 0.4038,
0.5030

99.9965, 0.3127,
0.3290

■ 89.9868, 0.4066,
0.5109

100.0000, 0.3127,
0.3290

■ 89.6117, 0.4071,
0.5149

Harmonies

Analogous

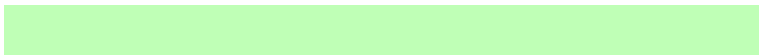
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7764, 0.4096, 0.4072



93.7764, 0.3680, 0.4302



93.7764, 0.3137, 0.4223

Triad

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



93.7764, 0.3680, 0.4302



93.7764, 0.2118, 0.2748



93.7764, 0.3610, 0.2838

Complementary

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



93.7764, 0.3680, 0.4302



37.4568, 0.2428, 0.2071

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.



93.7764, 0.3035, 0.2543



93.7764, 0.3680, 0.4302



93.7764, 0.2215, 0.2469

Square

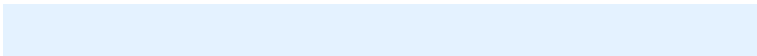
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.7764, 0.3680, 0.4302



93.7764, 0.2256, 0.3233



93.7764, 0.2534, 0.2408



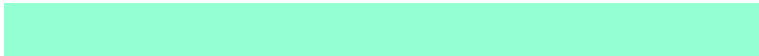
93.7764, 0.4073, 0.3238

Rectangle

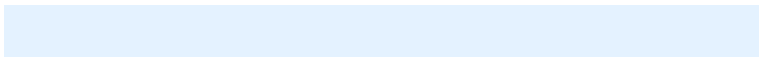
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.7764, 0.3680, 0.4302



93.7764, 0.2779, 0.3974



93.7764, 0.2534, 0.2408



93.7764, 0.3420, 0.2725

Sweetspot

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



93.7747, 0.3680, 0.4302



97.7876, 0.3293, 0.3589



48.6163, 0.4119, 0.3365



20.8830, 0.3312, 0.3622



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

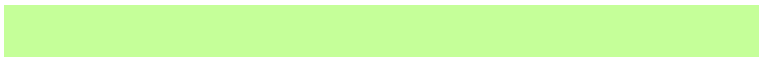
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.7747, 0.3680, 0.4302



92.9044, 0.3778, 0.4489



85.7123, 0.3337, 0.4428



21.0236, 0.3258, 0.3526



46.8510, 0.4074, 0.5148



4.5800, 0.4088, 0.5136

Inverse Universe

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



37.4568, 0.2428, 0.2071



29.5482, 0.2261, 0.1788



43.8043, 0.2810, 0.2189



17.4372, 0.2989, 0.3045



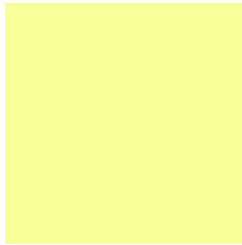
3.8591, 0.1521, 0.0611



0.3955, 0.1568, 0.0637

Previews

White Background



This preview shows how the Yxy color 93.7764, 0.3680, 0.4302 looks on a white background.

Color Contrast Check

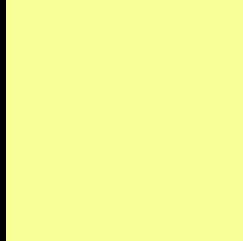
Large Text (above 18pt) WCAG AA × Fail

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 93.7764, 0.3680, 0.4302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

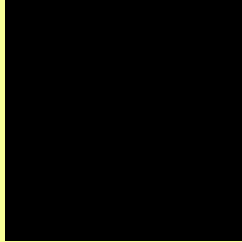
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.7764, 0.3680, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 93.7764, 0.3680, 0.4302.

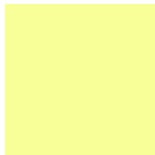


This preview shows how white text looks on a background with the Yxy color 93.7764, 0.3680, 0.4302.

Color Blindness Simulation

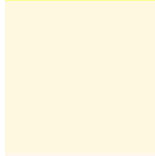
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



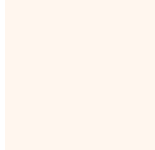
Original Color

93.7764, 0.3680, 0.4302



Protanopia

93.7766, 0.3318, 0.3525



Deuteranopia

93.3446, 0.3234, 0.3368



Tritanopia

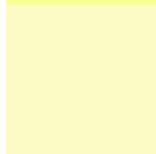
93.7848, 0.3132, 0.3194

Trichromacy



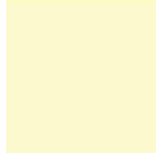
Original Color

93.7764, 0.3680, 0.4302



Protanomaly

93.7670, 0.3453, 0.3817



Deuteranomaly

92.9518, 0.3402, 0.3707



Tritanomaly

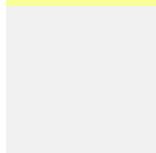
93.5088, 0.3334, 0.3597

Monochromacy



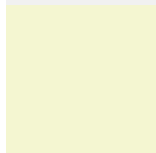
Original Color

93.7764, 0.3680, 0.4302



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.7481, 0.3340, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7764, 0.3680, 0.4302 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(248, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 153)  
}
```

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(248, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 93.7764, 0.3680, 0.4302 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(248, 255, 153) }
```

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

```
.border{ border-color:rgb(248, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(248, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7764, 0.3680, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 153) }
```

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

```
.background{ background-color: rgb(248,  
255, 153) }
```

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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