

Converting Colors

$Y_{xy}(100.0000, 0.3814, 0.4033)$

Have a look what the booklet for
Yxy(100.0000, 0.3814, 0.4033)
contains.

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Color

Yxy(94.4891, 0.3626, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDAC
RGB	255, 253, 172
RGB Percent	100%, 99%, 67%
CMY	0.0000, 0.0078, 0.3256
CMYK	0.00, 0.01, 0.33, 0.00
HSL	59°, 100%, 84%
HSV	59°, 33%, 100%
XYZ	83.8105, 94.4891, 52.8381
YIQ	244.3640, 27.1930, -24.7670

Conversions

Conversions Part 2

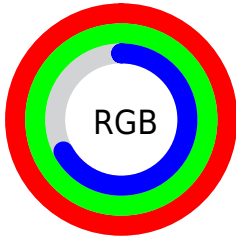
Format	Color
RYB	174, 255, 172
Decimal	16776620
CIELab	97.83, -11.18, 39.09
CIELCh	98, 40.657, 105.956
Yxy	94.4891, 0.3626, 0.4088
Android (android.graphics.Color)	4294966700 (0xFFFFFDAC)
YUV	244.3640, -35.6755, 9.3278
Hunter-Lab	97.2055, -16.2070, 35.8155

Details

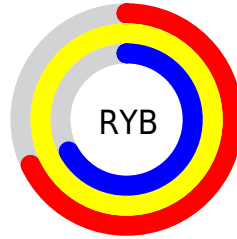
The Yxy color **94.4891, 0.3626, 0.4088** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.2488, 0.2543, 0.2344**, and the grayscale version is **91.0493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **52.6821, 0.3718, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **93.2195, 0.3774, 0.4321**, and if you desaturate by 10%, it is **95.9554, 0.3472, 0.3843**.

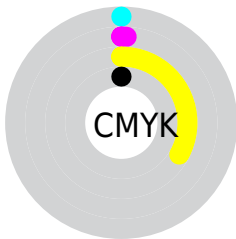
Distribution



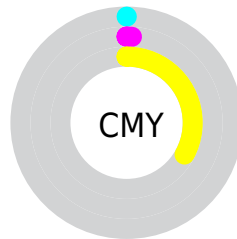
- Red (100%)
- Green (99%)
- Blue (67%)



- Red (68%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.4891, 0.3626, 0.4088 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 94.4891, 0.3626, 0.4088 by changing the saturation by 10% instead.


 94.4891, 0.3626,
0.4088

 94.4891, 0.3626,
0.4088

542.5281, 0.3414,
0.3733

 71.7098, 0.3669,
0.4165


 153.5586, 0.3556,
0.3968

 52.9217, 0.3720,
0.4258

190.6176, 0.3528,
0.3920

 37.7402, 0.3781,
0.4371


233.2053, 0.3503,
0.3879

 25.7811, 0.3853,
0.4513

281.7061, 0.3481,
0.3842

 16.6600, 0.3938,
0.4692

336.5044, 0.3462,
0.3810

 9.9924, 0.4036,
0.4924

397.9845, 0.3444,

 5.3939, 0.4151,

0.3782

0.5244

466.5310, 0.3428,
0.3756

■ 2.4802, 0.4280,
0.5720

■ 0.8667, 0.3886,
0.6114

■ 94.4891, 0.3626,
0.4088

■ 94.4891, 0.3626,
0.4088

■ 93.2195, 0.3774,
0.4321

■ 95.9554, 0.3472,
0.3843

■ 92.1245, 0.3908,
0.4533


■ 97.6171, 0.3317,
0.3594


■ 91.1961, 0.4024,
0.4713

■ 99.4871, 0.3165,
0.3351

■ 90.4210, 0.4117,
0.4853

100.0000, 0.3127,
0.3290

 89.7836, 0.4182,
0.4949

 89.2654, 0.4221,
0.5002

 88.9367, 0.4236,
0.5018

Harmonies

Analogous

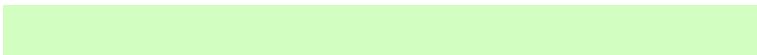
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4891, 0.3934, 0.3900



94.4891, 0.3626, 0.4088



94.4891, 0.3196, 0.4043

Triad

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



94.4891, 0.3626, 0.4088



94.4891, 0.2308, 0.2901



94.4891, 0.3464, 0.2890

Complementary

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



94.4891, 0.3626, 0.4088



46.2488, 0.2543, 0.2344

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.



94.4891, 0.3006, 0.2659



94.4891, 0.3626, 0.4088



94.4891, 0.2366, 0.2645

Square

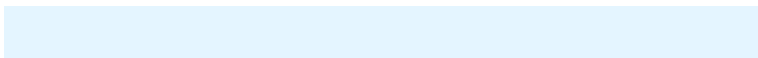
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.4891, 0.3626, 0.4088



94.4891, 0.2448, 0.3304



94.4891, 0.2611, 0.2568



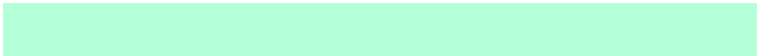
94.4891, 0.3847, 0.3216

Rectangle

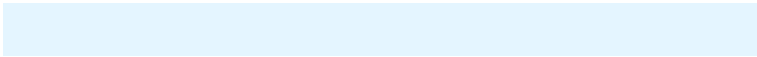
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.4891, 0.3626, 0.4088



94.4891, 0.2902, 0.3866



94.4891, 0.2611, 0.2568



94.4891, 0.3312, 0.2800

Sweetspot

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



94.4928, 0.3626, 0.4088



98.0752, 0.3277, 0.3531



53.8416, 0.3861, 0.3263



20.9379, 0.3299, 0.3566



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

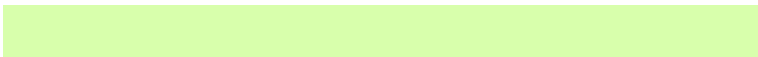
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.4928, 0.3626, 0.4088



93.6515, 0.3722, 0.4240



89.1357, 0.3359, 0.4181



21.0115, 0.3270, 0.3519



46.5051, 0.4236, 0.5019



4.5508, 0.4230, 0.5023

Inverse Universe

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



46.2488, 0.2543, 0.2344



38.6754, 0.2407, 0.2121



50.5243, 0.2819, 0.2391



17.4475, 0.2978, 0.3050



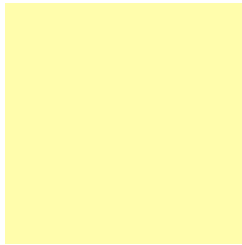
3.8723, 0.1504, 0.0614



0.4005, 0.1514, 0.0648

Previews

White Background



This preview shows how the Yxy color 94.4891, 0.3626, 0.4088 looks on a white background.

Color Contrast Check

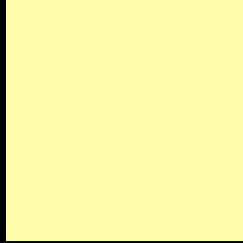
Large Text (above 18pt) WCAG AA × Fail

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 94.4891, 0.3626, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

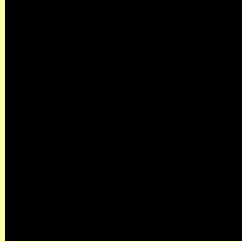
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.4891, 0.3626, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 94.4891, 0.3626, 0.4088.



This preview shows how white text looks on a background with the Yxy color 94.4891, 0.3626, 0.4088.

Color Blindness Simulation

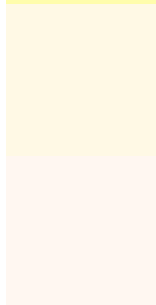
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

94.4891, 0.3626, 0.4088



Protanopia

94.6685, 0.3286, 0.3485

Deuteranopia

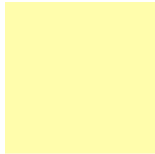
94.1324, 0.3215, 0.3348



Tritanopia

94.2634, 0.3143, 0.3223

Trichromacy



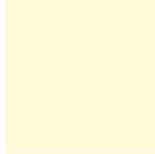
Original Color

94.4891, 0.3626, 0.4088



Protanomaly

94.1853, 0.3414, 0.3704



Deuteranomaly

93.9692, 0.3366, 0.3615



Tritanomaly

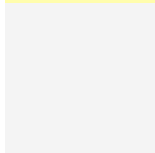
94.3932, 0.3317, 0.3535

Monochromacy



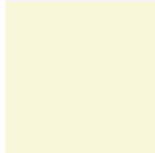
Original Color

94.4891, 0.3626, 0.4088



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.5399, 0.3310, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.4891, 0.3626, 0.4088 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, 253, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 172)  
}
```

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, 253, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 172) }
```

Border

The CSS property to change the border of an element to Yxy 94.4891, 0.3626, 0.4088 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, 253, 172) }
```

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

```
.border{ border-color:rgb(255, 253, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 94.4891, 0.3626, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 172) }
```

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

```
.background{ background-color: rgb(255,  
253, 172) }
```

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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