

Converting Colors

$Y_{xy}(104.7239, 0.4032, 0.3755)$

Have a look what the booklet for
Yxy(104.7239, 0.4032, 0.3755)
contains.

Yxy(89.5922, 0.3551, 0.3849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.5922, 0.3551, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4BC
RGB	255, 244, 188
RGB Percent	100%, 96%, 74%
CMY	0.0002, 0.0431, 0.2627
CMYK	0.00, 0.04, 0.26, 0.00
HSL	50°, 100%, 87%
HSV	50°, 26%, 100%
XYZ	82.6557, 89.5922, 60.5195
YIQ	240.9050, 24.5320, -15.0840

Conversions

Conversions Part 2

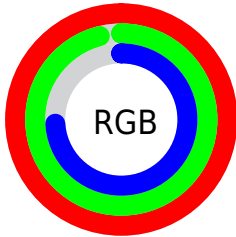
Format	Color
R _Y B	201, 255, 188
Decimal	16774332
CIE Lab	95.83, -4.76, 28.37
CIE LCh	96, 28.762, 99.530
Yxy	89.5922, 0.3551, 0.3849
Android (android.graphics.Color)	4294964412 (0xFFFFF4BC)
YUV	240.9050, -26.0822, 12.3613
Hunter-Lab	94.6532, -9.7682, 28.3482

Details

The Yxy color **89.5922, 0.3551, 0.3849** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.7315, 0.2682, 0.2661**, and the grayscale version is **88.0777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **49.6934, 0.3646, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **86.1141, 0.3724, 0.4064**, and if you desaturate by 10%, it is **93.3292, 0.3383, 0.3632**.

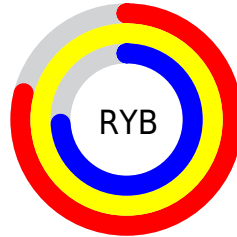
Distribution



Red (100%)

Green (96%)

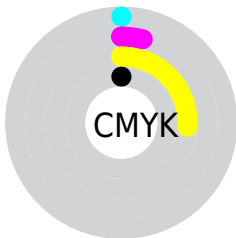
Blue (74%)



Red (79%)

Yellow (100%)

Blue (74%)

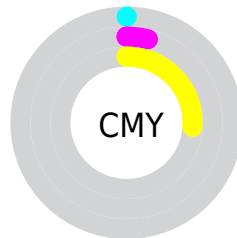


Cyan (0%)

Magenta (4%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5922, 0.3551, 0.3849 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 89.5922, 0.3551, 0.3849 by changing the saturation by 10% instead.

 89.5922, 0.3551,
0.3849

 89.5922, 0.3551,
0.3849


526.7034, 0.3365,
0.3599

 67.6425, 0.3591,
0.3904

 146.7718, 0.3488,
0.3764

 49.6069, 0.3639,
0.3970


182.7705, 0.3464,
0.3731

 35.1012, 0.3698,
0.4052


224.2209, 0.3442,
0.3701

 23.7408, 0.3771,
0.4156

271.5075, 0.3423,
0.3676

 15.1415, 0.3863,
0.4290

325.0147, 0.3406,
0.3653

 8.9187, 0.3983,
0.4470

385.1268, 0.3391,

 4.6882, 0.4137,

0.3633

0.4716

452.2282, 0.3377,
0.3615

■ 2.0655, 0.4609,
0.5391

■ 0.6451, 0.4351,
0.5649

■ 89.5922, 0.3551,
0.3849

■ 89.5922, 0.3551,
0.3849

■ 86.1141, 0.3724,
0.4064

■ 93.3292, 0.3383,
0.3632

■ 82.8722, 0.3895,
0.4267

■ 97.3229, 0.3222,
0.3419

■ 79.8590, 0.4059,
0.4450

99.9911, 0.3127,
0.3290

■ 77.0619, 0.4207,
0.4601

■ 74.4663, 0.4333,
0.4711

■ 72.0556, 0.4431,
0.4775

■ 69.8089, 0.4500,
0.4793

■ 68.9984, 0.4521,
0.4792

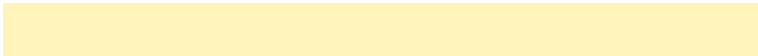
Harmonies

Analogous

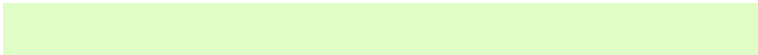
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5922, 0.3739, 0.3698



89.5922, 0.3551, 0.3849



89.5922, 0.3254, 0.3845

Triad

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



89.5922, 0.3551, 0.3849



89.5922, 0.2535, 0.3073



89.5922, 0.3303, 0.2952

Complementary

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



89.5922, 0.3551, 0.3849



58.7315, 0.2682, 0.2661

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.



89.5922, 0.2975, 0.2799



89.5922, 0.3551, 0.3849



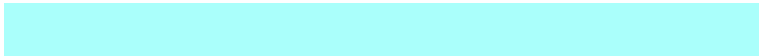
89.5922, 0.2546, 0.2854

Square

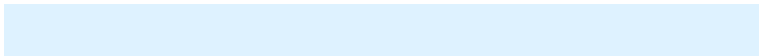
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5922, 0.3551, 0.3849



89.5922, 0.2673, 0.3374



89.5922, 0.2702, 0.2761



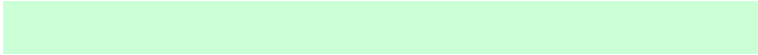
89.5922, 0.3595, 0.3186

Rectangle

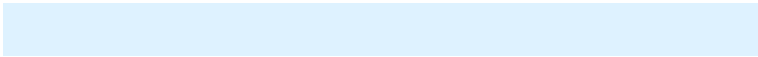
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5922, 0.3551, 0.3849



89.5922, 0.3037, 0.3744



89.5922, 0.2702, 0.2761



89.5922, 0.3193, 0.2890

Sweetspot

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



89.5962, 0.3551, 0.3849



96.6478, 0.3249, 0.3456



61.3544, 0.3599, 0.3176



20.5558, 0.3273, 0.3487



0.0000, 0.0000, 0.0000



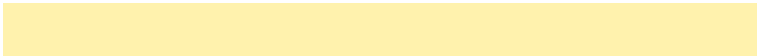
21.4041, 0.3127, 0.3290

Same Dimension

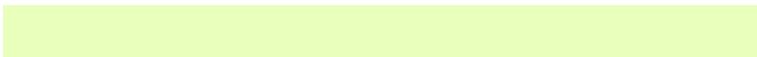
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5962, 0.3551, 0.3849



87.6028, 0.3650, 0.3973



92.3844, 0.3376, 0.3982



20.5558, 0.3273, 0.3487



36.2560, 0.4515, 0.4797



3.6588, 0.4472, 0.4831

Inverse Universe

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



58.7315, 0.2682, 0.2661



51.5746, 0.2572, 0.2498



56.9384, 0.2826, 0.2566



17.8568, 0.2979, 0.3085



4.7648, 0.1539, 0.0738



0.5934, 0.1587, 0.0913

Previews

White Background



This preview shows how the Yxy color 89.5922, 0.3551, 0.3849 looks on a white background.

Color Contrast Check

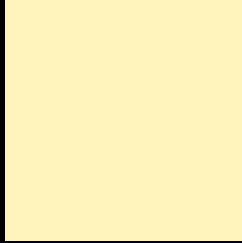
Large Text (above 18pt) WCAG AA × Fail

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 89.5922, 0.3551, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

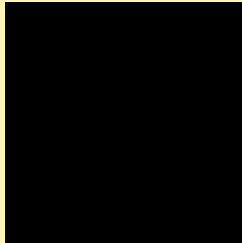
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5922, 0.3551, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 89.5922, 0.3551, 0.3849.



This preview shows how white text looks on a background with the Yxy color 89.5922, 0.3551, 0.3849.

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

89.5922, 0.3551, 0.3849

Protanopia

89.7208, 0.3452, 0.3678

Deuteranopia

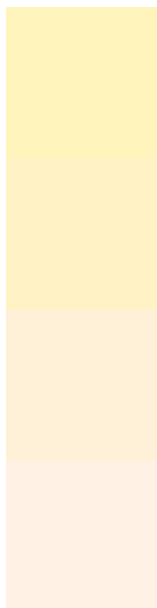
89.2933, 0.3290, 0.3389



Tritanopia

89.8326, 0.3171, 0.3193

Trichromacy



Original Color

89.5922, 0.3551, 0.3849

Protanomaly

89.4384, 0.3490, 0.3739

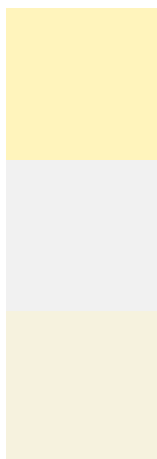
Deuteranomaly

89.0769, 0.3384, 0.3548

Tritanomaly

89.7166, 0.3308, 0.3428

Monochromacy



Original Color

89.5922, 0.3551, 0.3849

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3710, 0.3277, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5922, 0.3551, 0.3849 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, 244, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 188)  
}
```

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, 244, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 188) }
```

Border

The CSS property to change the border of an element to Yxy 89.5922, 0.3551, 0.3849 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, 244, 188) }
```

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

```
.border{ border-color:rgb(255, 244, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5922, 0.3551, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 188) }
```

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

```
.background{ background-color: rgb(255,  
244, 188) }
```

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