

# Converting Colors

$Y_{xy}(100.0000, 0.3842, 0.3674)$

Have a look what the booklet for  
Yxy(100.0000, 0.3842, 0.3674)  
contains.

<b>Yxy(88.8878, 0.3486, 0.3719)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.8878, 0.3486, 0.3719)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2C7
RGB	255, 242, 199
RGB Percent	100%, 95%, 78%
CMY	0.0000, 0.0510, 0.2196
CMYK	0.00, 0.05, 0.22, 0.00
HSL	46°, 100%, 89%
HSV	46°, 22%, 100%
XYZ	83.3189, 88.8878, 66.8033
YIQ	240.9850, 21.5510, -10.6170

# Conversions

## Conversions Part 2

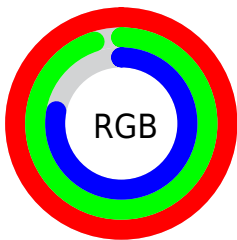
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 255, 199
Decimal	16773831
CIE Lab	95.53, -2.22, 22.35
CIE LCh	96, 22.464, 95.678
Yxy	88.8878, 0.3486, 0.3719
Android (android.graphics.Color)	4294963911 (0xFFFFF2C7)
YUV	240.9850, -20.6986, 12.2912
Hunter-Lab	94.2803, -7.2438, 23.9857

# Details

The Yxy color **88.8878, 0.3486, 0.3719** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4625, 0.2765, 0.2821**, and the grayscale version is **88.0969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1679, 0.3563, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **84.3215, 0.3666, 0.3920**, and if you desaturate by 10%, it is **93.7508, 0.3315, 0.3519**.

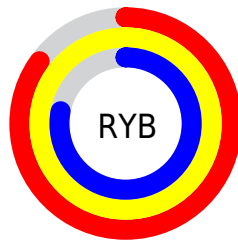
# Distribution



Red (100%)

Green (95%)

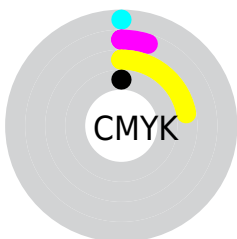
Blue (78%)



Red (85%)

Yellow (100%)

Blue (78%)

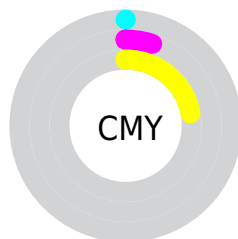


Cyan (0%)

Magenta (5%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8878, 0.3486, 0.3719 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 88.8878, 0.3486, 0.3719 by changing the saturation by 10% instead.




 88.8878, 0.3486,  
0.3719

 88.8878, 0.3486,  
0.3719

524.4062, 0.3327,  
0.3527

 67.0586, 0.3521,  
0.3761

145.7925, 0.3432,  
0.3654

 49.1322, 0.3563,  
0.3812

181.6368, 0.3411,  
0.3628

 34.7244, 0.3614,  
0.3876


222.9216, 0.3392,  
0.3606

 23.4506, 0.3680,  
0.3956

270.0312, 0.3376,  
0.3586

 14.9266, 0.3764,  
0.4061

323.3501, 0.3362,  
0.3569

 8.7679, 0.3877,  
0.4204

383.2626, 0.3349,

 4.5901, 0.4033,

0.3553

0.4406

450.1532, 0.3337,  
0.3540

■ 2.0088, 0.4394,  
0.4857

■ 0.6126, 0.4629,  
0.5371

■ 88.8878, 0.3486,  
0.3719

■ 88.8878, 0.3486,  
0.3719

■ 84.3215, 0.3666,  
0.3920

■ 93.7508, 0.3315,  
0.3519

■ 80.0652, 0.3852,  
0.4116

■ 98.9449, 0.3157,  
0.3327

■ 76.0989, 0.4037,  
0.4297

100.0000, 0.3127,  
0.3290

■ 72.4098, 0.4215,  
0.4453

■ 68.9835, 0.4376,  
0.4572

■ 65.8037, 0.4512,  
0.4646

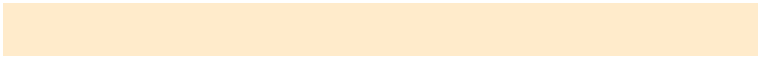
■ 62.8507, 0.4619,  
0.4672

■ 60.6173, 0.4685,  
0.4662

# Harmonies

## Analogous

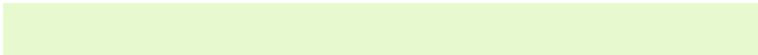
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8878, 0.3616, 0.3593



88.8878, 0.3486, 0.3719



88.8878, 0.3262, 0.3728

# Triad

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



88.8878, 0.3486, 0.3719



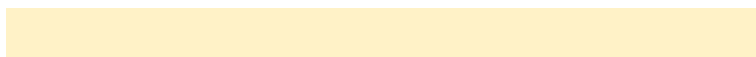
88.8878, 0.2667, 0.3151



88.8878, 0.3234, 0.3002

# Complementary

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



88.8878, 0.3486, 0.3719



66.4625, 0.2765, 0.2821

# 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.



88.8878, 0.2978, 0.2891



88.8878, 0.3486, 0.3719



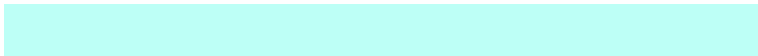
88.8878, 0.2659, 0.2966

# Square

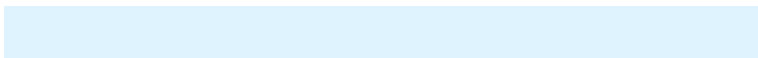
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8878, 0.3486, 0.3719



88.8878, 0.2792, 0.3389



88.8878, 0.2771, 0.2875



88.8878, 0.3468, 0.3184

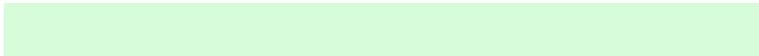


# Rectangle

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



88.8878, 0.3486, 0.3719



88.8878, 0.3091, 0.3660



88.8878, 0.2771, 0.2875



88.8878, 0.3147, 0.2956

# Sweetspot

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



88.8797, 0.3486, 0.3719



96.2845, 0.3235, 0.3423



66.8686, 0.3473, 0.3157



20.5419, 0.3244, 0.3434



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

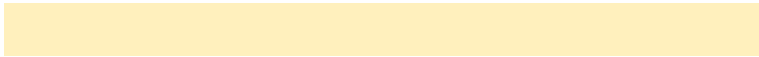


# Same Dimension

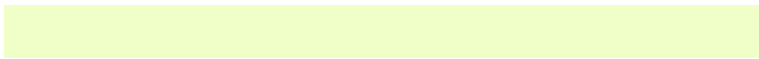
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8797, 0.3486, 0.3719



86.9997, 0.3557, 0.3801



94.1814, 0.3360, 0.3858



20.3327, 0.3275, 0.3471



31.9129, 0.4675, 0.4670



3.2726, 0.4609, 0.4723



# Inverse Universe

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



66.4625, 0.2765, 0.2821



61.2389, 0.2692, 0.2721



62.3586, 0.2857, 0.2691



18.0628, 0.2979, 0.3102



5.6080, 0.1570, 0.0851



0.7039, 0.1626, 0.1053



# Previews

## White Background



This preview shows how the Yxy color 88.8878, 0.3486, 0.3719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

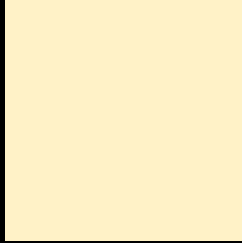
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8878, 0.3486, 0.3719 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

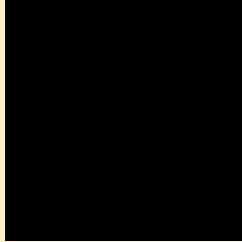
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.8878, 0.3486, 0.3719**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8878, 0.3486, 0.3719.



This preview shows how white text looks on a background with the Yxy color 88.8878, 0.3486, 0.3719.

# 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

88.8878, 0.3486, 0.3719

### Protanopia

89.0761, 0.3460, 0.3679

### Deuteranopia

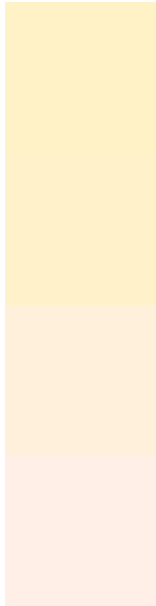
88.7062, 0.3291, 0.3379



## Tritanopia

88.6679, 0.3172, 0.3174

# Trichromacy



## Original Color

88.8878, 0.3486, 0.3719

## Protanomaly

89.0285, 0.3466, 0.3689

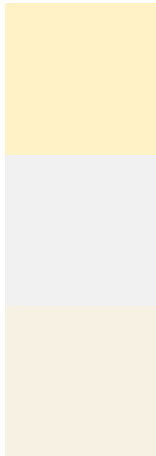
## Deuteranomaly

88.6946, 0.3360, 0.3498

## Tritanomaly

88.7625, 0.3284, 0.3369

# Monochromacy



## Original Color

88.8878, 0.3486, 0.3719

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.9944, 0.3253, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8878, 0.3486, 0.3719 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, 242, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 199)  
}
```

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, 242, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8878, 0.3486, 0.3719 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, 242, 199) }
```

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

```
.border{ border-color:rgb(255, 242, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8878, 0.3486, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 199) }
```

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

```
.background{ background-color: rgb(255,  
242, 199) }
```

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