

Converting Colors

Yxy(87.4082, 0.3773, 0.4179)

Have a look what the booklet for
Yxy(87.4082, 0.3773, 0.4179)
contains.

Yxy(87.6611, 0.3771, 0.4182)	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(87.6611, 0.3771, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	FFF399
RGB	255, 243, 153
RGB Percent	100%, 95%, 60%
CMY	0.0000, 0.0471, 0.3998
CMYK	0.00, 0.05, 0.40, 0.00
HSL	53°, 100%, 80%
HSV	53°, 40%, 100%
XYZ	79.0459, 87.6611, 42.9082
YIQ	236.3280, 36.0420, -25.4460

Conversions

Conversions Part 2

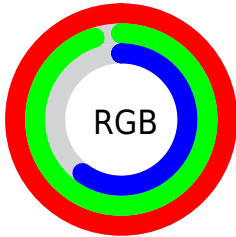
Format	Color
R_{YB}	167, 255, 153
Decimal	16774041
CIE _{Lab}	95.02, -8.32, 44.78
CIE _{LCh}	95, 45.547, 100.531
Yxy	87.6611, 0.3771, 0.4182
Android (android.graphics.Color)	4294964121 (0xFFFFF399)
YUV	236.3280, -41.0807, 16.3753
Hunter-Lab	93.6275, -13.1478, 38.3674

Details

The Yxy color **87.6611, 0.3771, 0.4182** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9215, 0.2404, 0.2203**, and the grayscale version is **84.4489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **48.3311, 0.3899, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **85.1267, 0.3930, 0.4386**, and if you desaturate by 10%, it is **90.4089, 0.3606, 0.3962**.

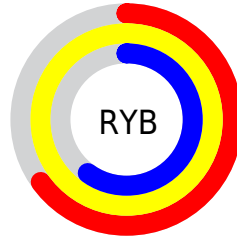
Distribution



Red (100%)

Green (95%)

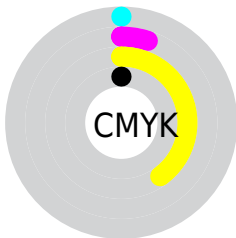
Blue (60%)



Red (65%)

Yellow (100%)

Blue (60%)

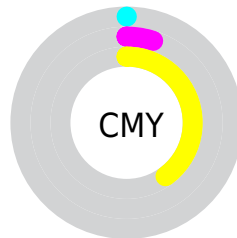


Cyan (0%)

Magenta (5%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6611, 0.3771, 0.4182 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 87.6611, 0.3771, 0.4182 by changing the saturation by 10% instead.


 87.6611, 0.3771,
0.4182


 87.6611, 0.3771,
0.4182

520.3928, 0.3494,
0.3785

 66.0424, 0.3828,
0.4267

 144.0852, 0.3680,
0.4048

 48.3069, 0.3894,
0.4369


 179.6595, 0.3643,
0.3995

 34.0700, 0.3972,
0.4493


220.6544, 0.3611,
0.3949

 22.9473, 0.4064,
0.4645

267.4544, 0.3582,
0.3908

 14.5546, 0.4171,
0.4832

320.4439, 0.3557,
0.3872

 8.5074, 0.4286,
0.5062

380.0071, 0.3534,

 4.4213, 0.4513,

0.3839

0.5487

446.5286, 0.3513,
0.3811

■ 1.9119, 0.4394,
0.5606

■ 0.5555, 0.3689,
0.6311

■ 87.6611, 0.3771,
0.4182

■ 87.6611, 0.3771,
0.4182

■ 85.1267, 0.3930,
0.4386

■ 90.4089, 0.3606,
0.3962

■ 82.7880, 0.4076,
0.4564

■ 93.3749, 0.3440,
0.3734

■ 80.6339, 0.4202,
0.4706

■ 96.5708, 0.3280,
0.3508

■ 78.6496, 0.4302,
0.4805

100.0000, 0.3127,
0.3290

■ 76.8172, 0.4374,
0.4858

■ 75.1079, 0.4421,
0.4872

■ 75.1051, 0.4421,
0.4872

Harmonies

Analogous

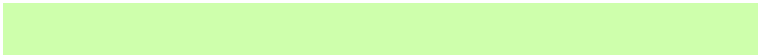
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6611, 0.4090, 0.3919



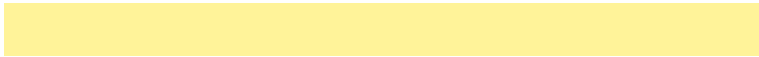
87.6611, 0.3771, 0.4182



87.6611, 0.3293, 0.4196

Triad

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



87.6611, 0.3771, 0.4182



87.6611, 0.2209, 0.2911



87.6611, 0.3418, 0.2779

Complementary

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



87.6611, 0.3771, 0.4182



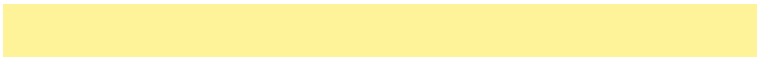
40.9215, 0.2404, 0.2203

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.



87.6611, 0.2895, 0.2544



87.6611, 0.3771, 0.4182



87.6611, 0.2235, 0.2590

Square

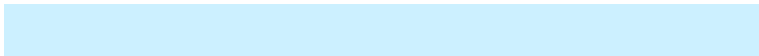
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6611, 0.3771, 0.4182



87.6611, 0.2403, 0.3396



87.6611, 0.2473, 0.2471



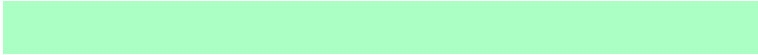
87.6611, 0.3890, 0.3129

Rectangle

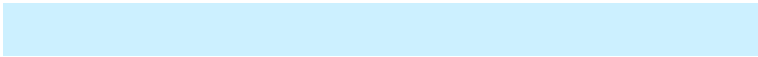
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6611, 0.3771, 0.4182



87.6611, 0.2953, 0.4028



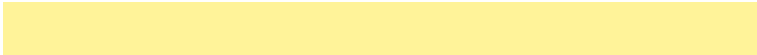
87.6611, 0.2473, 0.2471



87.6611, 0.3240, 0.2685

Sweetspot

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



87.6631, 0.3771, 0.4182



95.9074, 0.3311, 0.3554



46.8329, 0.4007, 0.3150



20.4372, 0.3332, 0.3583



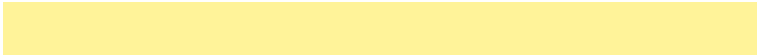
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

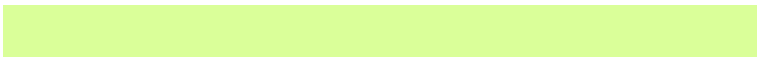
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6631, 0.3771, 0.4182



85.6137, 0.3899, 0.4348



88.6675, 0.3471, 0.4378



20.7042, 0.3272, 0.3498



39.3891, 0.4417, 0.4875



3.9340, 0.4388, 0.4898

Inverse Universe

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



40.9215, 0.2404, 0.2203



33.0430, 0.2239, 0.1942



41.0185, 0.2650, 0.2140



17.7219, 0.2979, 0.3073



4.3660, 0.1523, 0.0684



0.5302, 0.1564, 0.0829

Previews

White Background



This preview shows how the Yxy color 87.6611, 0.3771, 0.4182 looks on a white background.

Color Contrast Check

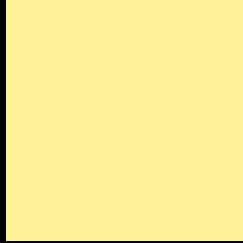
Large Text (above 18pt) WCAG AA × Fail

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 87.6611, 0.3771, 0.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

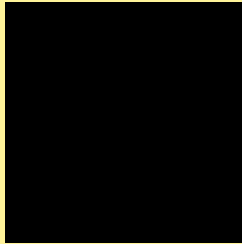
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6611, 0.3771, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 87.6611, 0.3771, 0.4182.

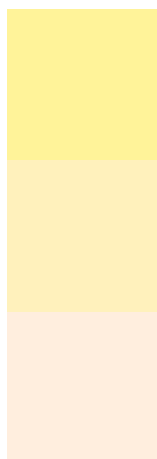


This preview shows how white text looks on a background with the Yxy color 87.6611, 0.3771, 0.4182.

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

87.6611, 0.3771, 0.4182

Protanopia

87.8014, 0.3559, 0.3821

Deuteranopia

87.6830, 0.3343, 0.3449



Tritanopia

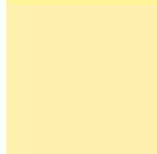
87.3305, 0.3192, 0.3183

Trichromacy



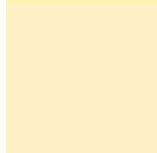
Original Color

87.6611, 0.3771, 0.4182



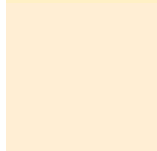
Protanomaly

87.8594, 0.3639, 0.3960



Deuteranomaly

87.6114, 0.3503, 0.3721



Tritanomaly

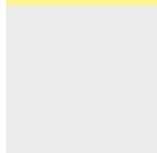
87.1625, 0.3408, 0.3550

Monochromacy



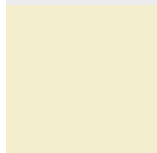
Original Color

87.6611, 0.3771, 0.4182



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.2439, 0.3362, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6611, 0.3771, 0.4182 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, 243, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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(255, 243, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 153) }
```

Border

The CSS property to change the border of an element to Yxy 87.6611, 0.3771, 0.4182 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, 243, 153) }
```

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

```
.border{ border-color:rgb(255, 243, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6611, 0.3771, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 153) }
```

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

```
.background{ background-color: rgb(255,  
243, 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](#).

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