

Converting Colors

$Y_{xy}(83.7939, 0.3912, 0.3773)$

Have a look what the booklet for
Yxy(83.7939, 0.3912, 0.3773)
contains.

Yxy(78.1664, 0.3696, 0.3811)	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(78.1664, 0.3696, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1AE
RGB	255, 225, 174
RGB Percent	100%, 88%, 68%
CMY	0.0000, 0.1176, 0.3177
CMYK	0.00, 0.12, 0.32, 0.00
HSL	38°, 100%, 84%
HSV	38°, 32%, 100%
XYZ	75.8077, 78.1664, 51.1333
YIQ	228.1560, 34.2510, -9.5010

Conversions

Conversions Part 2

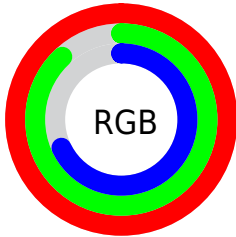
Format	Color
R_{YB}	222, 255, 174
Decimal	16769454
CIE _{Lab}	90.86, 3.11, 28.78
CIE _{LCh}	91, 28.944, 83.841
Yxy	78.1664, 0.3696, 0.3811
Android (android.graphics.Color)	4294959534 (0xFFFFE1AE)
YUV	228.1560, -26.6989, 23.5422
Hunter-Lab	88.4118, -1.6678, 27.5977

Details

The Yxy color **78.1664, 0.3696, 0.3811** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.4004, 0.2600, 0.2705**, and the grayscale version is **77.8836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **42.0002, 0.3822, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **72.3005, 0.3909, 0.3977**, and if you desaturate by 10%, it is **84.5065, 0.3498, 0.3642**.

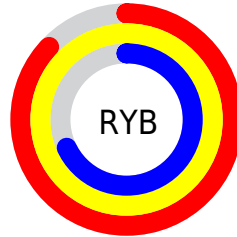
Distribution



Red (100%)

Green (88%)

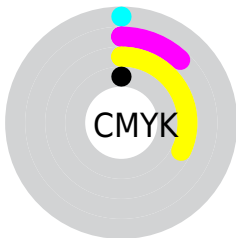
Blue (68%)



Red (87%)

Yellow (100%)

Blue (68%)

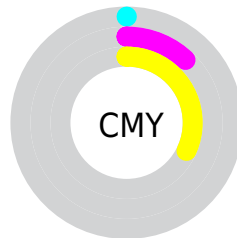


Cyan (0%)

Magenta (12%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1664, 0.3696, 0.3811 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 78.1664, 0.3696, 0.3811 by changing the saturation by 10% instead.


 78.1664, 0.3696,
0.3811

 78.1664, 0.3696,
0.3811


488.7318, 0.3437,
0.3577

 58.2107, 0.3753,
0.3862

 130.7847, 0.3607,
0.3732

 41.9780, 0.3823,
0.3924

164.2160, 0.3573,
0.3700

 29.0841, 0.3910,
0.4000


202.9080, 0.3543,
0.3673

 19.1445, 0.4020,
0.4096

247.2451, 0.3516,
0.3649

 11.7747, 0.4163,
0.4218

297.6116, 0.3493,
0.3628

 6.5905, 0.4353,
0.4375

354.3919, 0.3472,

 3.2073, 0.4655,

0.3609

0.4621

417.9705, 0.3454,
0.3592

1.2409, 0.5072,
0.4928

0.0947, 0.6364,
0.3636

78.1664, 0.3696,
0.3811

78.1664, 0.3696,
0.3811

72.3005, 0.3909,
0.3977

84.5065, 0.3498,
0.3642

66.8890, 0.4132,
0.4131

91.3306, 0.3317,
0.3476

61.9170, 0.4358,
0.4262

98.6536, 0.3154,
0.3317

57.3666, 0.4576,
0.4358

100.0000, 0.3127,
0.3290

■ 53.2177, 0.4774,
0.4409

■ 49.4470, 0.4940,
0.4406

■ 46.5998, 0.5054,
0.4369

Harmonies

Analogous

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



78.1664, 0.3807, 0.3591



78.1664, 0.3696, 0.3811



78.1664, 0.3432, 0.3901

Triad

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



78.1664, 0.3696, 0.3811



78.1664, 0.2563, 0.3220



78.1664, 0.3130, 0.2838

Complementary

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



78.1664, 0.3696, 0.3811



59.4004, 0.2600, 0.2705

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.



78.1664, 0.2805, 0.2737



78.1664, 0.3696, 0.3811



78.1664, 0.2491, 0.2936

Square

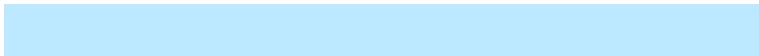
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1664, 0.3696, 0.3811



78.1664, 0.2779, 0.3549



78.1664, 0.2577, 0.2767



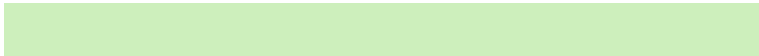
78.1664, 0.3470, 0.3044

Rectangle

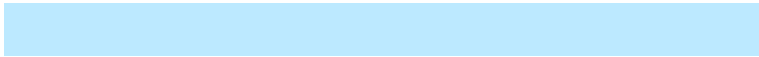
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1664, 0.3696, 0.3811



78.1664, 0.3210, 0.3860



78.1664, 0.2577, 0.2767



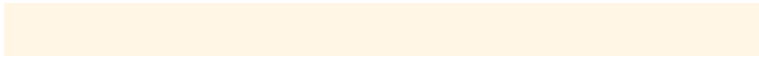
78.1664, 0.3015, 0.2791

Sweetspot

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



78.1679, 0.3696, 0.3811



92.5875, 0.3287, 0.3447



55.9405, 0.3578, 0.2970



19.6032, 0.3311, 0.3470



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.



78.1679, 0.3696, 0.3811



74.4560, 0.3827, 0.3915



94.0873, 0.3544, 0.4104



19.8936, 0.3278, 0.3439



24.6449, 0.5036, 0.4383



2.6088, 0.4914, 0.4480

Inverse Universe

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



59.4004, 0.2600, 0.2705



53.0754, 0.2490, 0.2568



47.6125, 0.2622, 0.2364



18.4794, 0.2979, 0.3136



8.2565, 0.1660, 0.1174



1.0045, 0.1722, 0.1398

Previews

White Background



This preview shows how the Yxy color 78.1664, 0.3696, 0.3811 looks on a white background.

Color Contrast Check

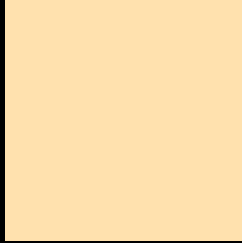
Large Text (above 18pt) WCAG AA × Fail

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 78.1664, 0.3696, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

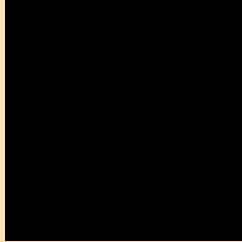
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1664, 0.3696, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 78.1664, 0.3696, 0.3811.



This preview shows how white text looks on a background with the Yxy color 78.1664, 0.3696, 0.3811.

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

78.1664, 0.3696, 0.3811

Protanopia

78.4063, 0.3588, 0.3845

Deuteranopia

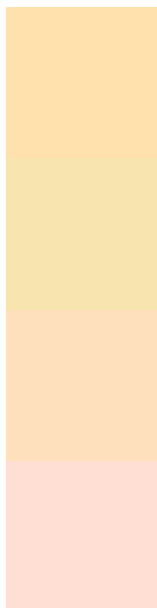
78.0666, 0.3539, 0.3555



Tritanopia

78.3296, 0.3291, 0.3161

Trichromacy



Original Color

78.1664, 0.3696, 0.3811

Protanomaly

78.5384, 0.3627, 0.3840

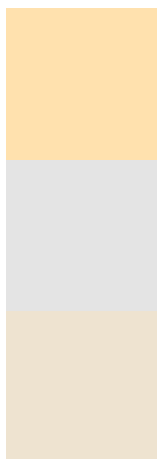
Deuteranomaly

78.2454, 0.3593, 0.3648

Tritanomaly

78.2560, 0.3435, 0.3392

Monochromacy



Original Color

78.1664, 0.3696, 0.3811

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6694, 0.3330, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1664, 0.3696, 0.3811 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, 225, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 174)  
}
```

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, 225, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 174) }
```

Border

The CSS property to change the border of an element to Yxy 78.1664, 0.3696, 0.3811 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, 225, 174) }
```

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

```
.border{ border-color:rgb(255, 225, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1664, 0.3696, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 174) }
```

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

```
.background{ background-color: rgb(255,  
225, 174) }
```

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