

Converting Colors

$Yxy(83.6628, 0.3833, 0.3710)$

Have a look what the booklet for
Yxy(83.6628, 0.3833, 0.3710)
contains.

Yxy(78.4466, 0.3647, 0.3740)	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(78.4466, 0.3647, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1B5
RGB	255, 225, 181
RGB Percent	100%, 88%, 71%
CMY	0.0001, 0.1176, 0.2903
CMYK	0.00, 0.12, 0.29, 0.00
HSL	36°, 100%, 85%
HSV	36°, 29%, 100%
XYZ	76.4959, 78.4466, 54.8077
YIQ	228.9540, 32.0040, -7.3240

Conversions

Conversions Part 2

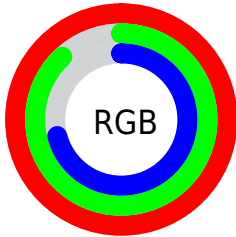
Format	Color
R_{YB}	231, 255, 181
Decimal	16769461
CIE _{Lab}	90.98, 3.95, 25.36
CIE _{LCh}	91, 25.665, 81.136
Yxy	78.4466, 0.3647, 0.3740
Android (android.graphics.Color)	4294959541 (0xFFFFE1B5)
YUV	228.9540, -23.6413, 22.8423
Hunter-Lab	88.5701, -0.8314, 25.3100

Details

The Yxy color **78.4466, 0.3647, 0.3740** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.5894, 0.2652, 0.2793**, and the grayscale version is **78.4772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **42.1783, 0.3759, 0.3839** is the 20% darker color. If you saturate the color by 10%, you get **72.0843, 0.3863, 0.3899**, and if you desaturate by 10%, it is **85.3450, 0.3449, 0.3580**.

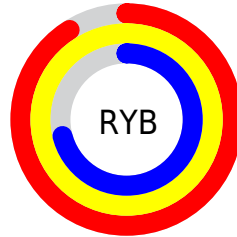
Distribution



Red (100%)

Green (88%)

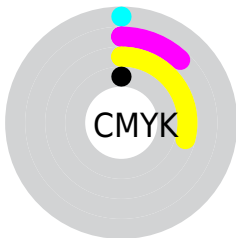
Blue (71%)



Red (91%)

Yellow (100%)

Blue (71%)

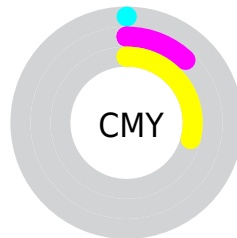


Cyan (0%)

Magenta (12%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4466, 0.3647, 0.3740 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 78.4466, 0.3647, 0.3740 by changing the saturation by 10% instead.


 78.4466, 0.3647,
0.3740

 78.4466, 0.3647,
0.3740


489.6822, 0.3410,
0.3538

 58.4409, 0.3700,
0.3784


 131.1795, 0.3566,
0.3671

 42.1632, 0.3765,
0.3838

164.6755, 0.3534,
0.3644

 29.2291, 0.3845,
0.3904

203.4371, 0.3506,
0.3621

 19.2542, 0.3948,
0.3988

247.8486, 0.3482,
0.3600

 11.8541, 0.4084,
0.4095

298.2945, 0.3461,
0.3582

 6.6444, 0.4268,
0.4237

355.1591, 0.3442,

 3.2407, 0.4534,

0.3566

0.4432

418.8269, 0.3425,
0.3551

■ 1.2587, 0.5124,
0.4876

■ 0.1089, 0.6476,
0.3524

■ 78.4466, 0.3647,
0.3740

■ 78.4466, 0.3647,
0.3740

■ 72.0843, 0.3863,
0.3899

■ 85.3450, 0.3449,
0.3580

■ 66.2308, 0.4093,
0.4050

■ 92.7841, 0.3271,
0.3424

■ 60.8724, 0.4331,
0.4181

99.9952, 0.3127,
0.3290

■ 55.9899, 0.4567,
0.4282

■ 51.5624, 0.4788,
0.4338

■ 47.5660, 0.4981,
0.4343

■ 43.9682, 0.5139,
0.4296

■ 43.6354, 0.5154,
0.4290

Harmonies

Analogous

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



78.4466, 0.3729, 0.3539



78.4466, 0.3647, 0.3740



78.4466, 0.3424, 0.3829

Triad

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



78.4466, 0.3647, 0.3740



78.4466, 0.2638, 0.3256



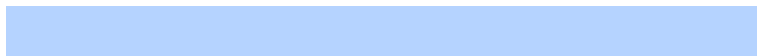
78.4466, 0.3103, 0.2874

Complementary

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



78.4466, 0.3647, 0.3740



63.5894, 0.2652, 0.2793

Split Complementary

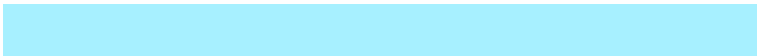
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4466, 0.2819, 0.2794



78.4466, 0.3647, 0.3740



78.4466, 0.2560, 0.2997

Square

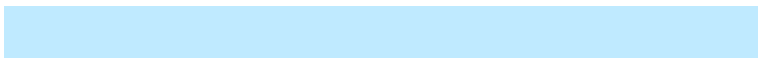
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4466, 0.3647, 0.3740



78.4466, 0.2842, 0.3543



78.4466, 0.2625, 0.2834



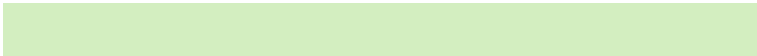
78.4466, 0.3406, 0.3052

Rectangle

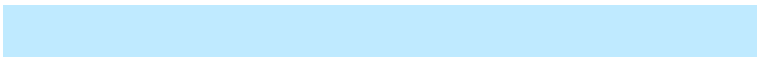
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4466, 0.3647, 0.3740



78.4466, 0.3230, 0.3801



78.4466, 0.2625, 0.2834



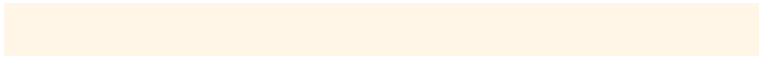
78.4466, 0.3002, 0.2835

Sweetspot

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



78.4502, 0.3647, 0.3740



92.8244, 0.3271, 0.3424



59.0335, 0.3506, 0.2974



19.6291, 0.3295, 0.3446



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

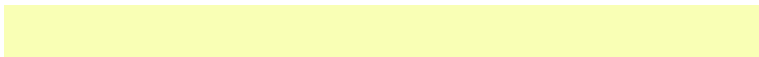
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4502, 0.3647, 0.3740



74.6008, 0.3774, 0.3836



94.9431, 0.3525, 0.4029



19.7850, 0.3279, 0.3431



23.1062, 0.5134, 0.4306



2.4643, 0.4997, 0.4414

Inverse Universe

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



63.5894, 0.2652, 0.2793



57.4834, 0.2548, 0.2672



50.8350, 0.2656, 0.2451



18.5848, 0.2979, 0.3145



9.1386, 0.1687, 0.1273



1.0975, 0.1749, 0.1496

Previews

White Background



This preview shows how the Yxy color 78.4466, 0.3647, 0.3740 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 78.4466, 0.3647, 0.3740 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 78.4466, 0.3647, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 78.4466, 0.3647, 0.3740.

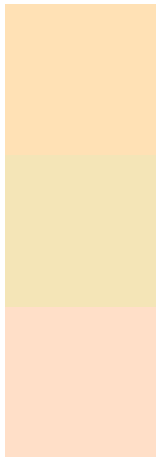


This preview shows how white text looks on a background with the Yxy color 78.4466, 0.3647, 0.3740.

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

78.4466, 0.3647, 0.3740

Protanopia

78.6906, 0.3540, 0.3771

Deuteranopia

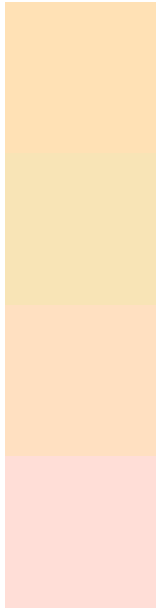
78.2055, 0.3518, 0.3525



Tritanopia

78.3869, 0.3284, 0.3151

Trichromacy



Original Color

78.4466, 0.3647, 0.3740

Protanomaly

78.8207, 0.3580, 0.3767

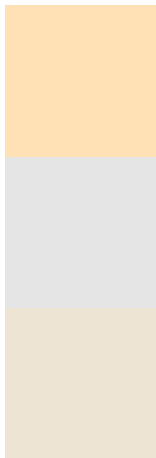
Deuteranomaly

78.4216, 0.3565, 0.3606

Tritanomaly

78.4088, 0.3414, 0.3361

Monochromacy



Original Color

78.4466, 0.3647, 0.3740

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.4174, 0.3302, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4466, 0.3647, 0.3740 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 181) }
```

Border

The CSS property to change the border of an element to Yxy 78.4466, 0.3647, 0.3740 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, 181) }
```

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

```
.border{ border-color:rgb(255, 225, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4466, 0.3647, 0.3740 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, 181) }
```

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

```
.background{ background-color: rgb(255,  
225, 181) }
```

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