

Converting Colors

$Y_{xy}(114.2849, 0.4657, 0.3596)$

Have a look what the booklet for
Yxy(114.2849, 0.4657, 0.3596)
contains.

Yxy(76.6371, 0.3691, 0.3762)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.6371, 0.3691, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEB0
RGB	255, 222, 176
RGB Percent	100%, 87%, 69%
CMY	0.0001, 0.1294, 0.3099
CMYK	0.00, 0.13, 0.31, 0.00
HSL	35°, 100%, 85%
HSV	35°, 31%, 100%
XYZ	75.1907, 76.6371, 51.8859
YIQ	226.6230, 34.4340, -7.3100

Conversions

Conversions Part 2

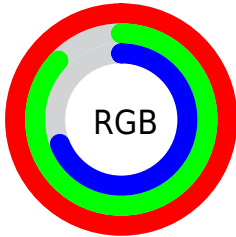
Format	Color
R _Y B	233, 255, 176
Decimal	16768688
CIE Lab	90.15, 4.87, 26.81
CIE LCh	90, 27.247, 79.709
Yxy	76.6371, 0.3691, 0.3762
Android (android.graphics.Color)	4294958768 (0xFFFFDEB0)
YUV	226.6230, -24.9571, 24.8866
Hunter-Lab	87.5426, 0.1148, 26.1391

Details

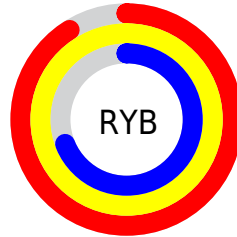
The Yxy color **76.6371, 0.3691, 0.3762** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.0156, 0.2619, 0.2766**, and the grayscale version is **76.6931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **40.9378, 0.3818, 0.3867** is the 20% darker color. If you saturate the color by 10%, you get **70.2494, 0.3913, 0.3917**, and if you desaturate by 10%, it is **83.5781, 0.3488, 0.3605**.

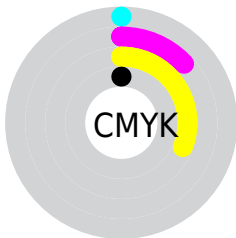
Distribution



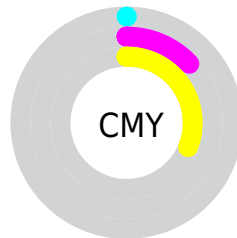
- Red (100%)
- Green (87%)
- Blue (69%)



- Red (91%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (13%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6371, 0.3691, 0.3762 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 76.6371, 0.3691, 0.3762 by changing the saturation by 10% instead.

 76.6371, 0.3691,
0.3762

 76.6371, 0.3691,
0.3762

483.5258, 0.3433,
0.3550

 56.9551, 0.3749,
0.3808

 128.6271, 0.3602,
0.3690

 40.9692, 0.3819,
0.3865

161.7038, 0.3567,
0.3662

 28.2950, 0.3908,
0.3934


200.0143, 0.3537,
0.3637

 18.5482, 0.4020,
0.4020

243.9428, 0.3511,
0.3615

 11.3442, 0.4168,
0.4131

293.8739, 0.3488,
0.3596

 6.2989, 0.4368,
0.4275

350.1918, 0.3468,

 3.0277, 0.4683,

0.3579

0.4493

413.2810, 0.3449,
0.3564

■ 1.1462, 0.5190,
0.4810

■ 0.0171, 0.8877,
0.1123

■ 76.6371, 0.3691,
0.3762

■ 76.6371, 0.3691,
0.3762

■ 70.2494, 0.3913,
0.3917

■ 83.5781, 0.3488,
0.3605

■ 64.3872, 0.4149,
0.4062

■ 91.0779, 0.3305,
0.3451

■ 59.0358, 0.4392,
0.4186

■ 99.1554, 0.3142,
0.3304

■ 54.1749, 0.4632,
0.4276

■ 99.9971, 0.3127,
0.3290

■ 49.7827, 0.4854,
0.4321

■ 45.8336, 0.5046,
0.4311

■ 42.6230, 0.5190,
0.4261

Harmonies

Analogous

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



76.6371, 0.3771, 0.3542



76.6371, 0.3691, 0.3762



76.6371, 0.3458, 0.3866

Triad

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



76.6371, 0.3691, 0.3762



76.6371, 0.2612, 0.3267



76.6371, 0.3085, 0.2841

Complementary

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



76.6371, 0.3691, 0.3762



62.0156, 0.2619, 0.2766

Split Complementary

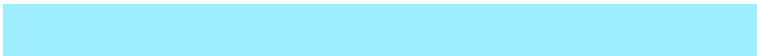
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6371, 0.2785, 0.2760



76.6371, 0.3691, 0.3762



76.6371, 0.2523, 0.2987

Square

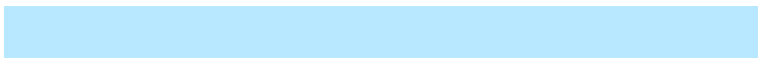
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6371, 0.3691, 0.3762



76.6371, 0.2835, 0.3575



76.6371, 0.2585, 0.2808



76.6371, 0.3411, 0.3025

Rectangle

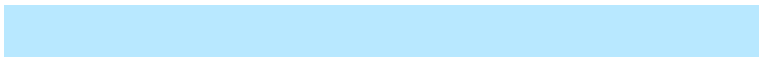
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6371, 0.3691, 0.3762



76.6371, 0.3252, 0.3843



76.6371, 0.2585, 0.2808



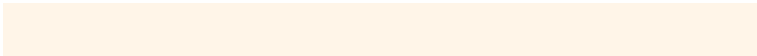
76.6371, 0.2978, 0.2801

Sweetspot

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



76.6406, 0.3691, 0.3762



92.6507, 0.3271, 0.3421



56.9585, 0.3529, 0.2938



19.5863, 0.3296, 0.3443



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.



76.6406, 0.3691, 0.3762



72.7444, 0.3822, 0.3856



94.9152, 0.3561, 0.4077



19.7459, 0.3280, 0.3428



22.5762, 0.5169, 0.4278



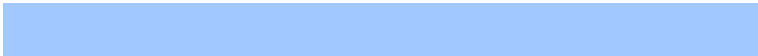
2.4141, 0.5027, 0.4390

Inverse Universe

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



62.0156, 0.2619, 0.2766



56.0775, 0.2515, 0.2645



48.1091, 0.2609, 0.2383



18.6231, 0.2979, 0.3148



9.4806, 0.1697, 0.1310



1.1330, 0.1759, 0.1532

Previews

White Background



This preview shows how the Yxy color 76.6371, 0.3691, 0.3762 looks on a white background.

Color Contrast Check

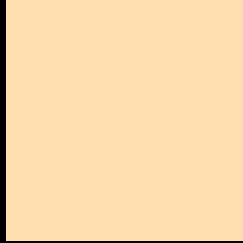
Large Text (above 18pt) WCAG AA × Fail

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 76.6371, 0.3691, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

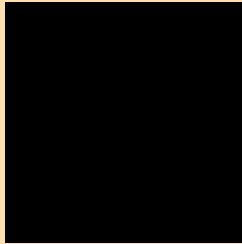
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6371, 0.3691, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 76.6371, 0.3691, 0.3762.



This preview shows how white text looks on a background with the Yxy color 76.6371, 0.3691, 0.3762.

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

76.6371, 0.3691, 0.3762

Protanopia

77.0298, 0.3564, 0.3807

Deuteranopia

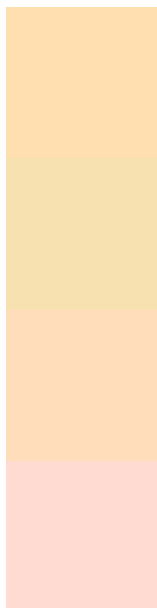
76.8232, 0.3572, 0.3577



Tritanopia

76.5989, 0.3315, 0.3161

Trichromacy



Original Color

76.6371, 0.3691, 0.3762

Protanomaly

76.7989, 0.3614, 0.3791

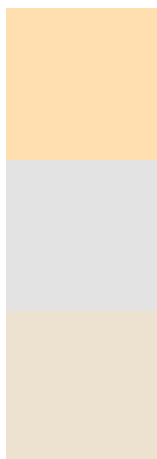
Deuteranomaly

76.5608, 0.3615, 0.3639

Tritanomaly

76.5762, 0.3454, 0.3382

Monochromacy



Original Color

76.6371, 0.3691, 0.3762

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.4090, 0.3326, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6371, 0.3691, 0.3762 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, 222, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 176)  
}
```

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, 222, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 176) }
```

Border

The CSS property to change the border of an element to Yxy 76.6371, 0.3691, 0.3762 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, 222, 176) }
```

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

```
.border{ border-color:rgb(255, 222, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6371, 0.3691, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 176) }
```

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

```
.background{ background-color: rgb(255,  
222, 176) }
```

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