

Converting Colors

$Y_{xy}(87.8123, 0.3985, 0.3569)$

Have a look what the booklet for
Yxy(87.8123, 0.3985, 0.3569)
contains.

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Color

Yxy(76.6470, 0.3601, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	FFDDBD
RGB	255, 221, 189
RGB Percent	100%, 87%, 74%
CMY	0.0000, 0.1333, 0.2588
CMYK	0.00, 0.13, 0.26, 0.00
HSL	29°, 100%, 87%
HSV	29°, 26%, 100%
XYZ	76.2869, 76.6470, 58.9152
YIQ	227.5180, 30.5360, -2.7440

Conversions

Conversions Part 2

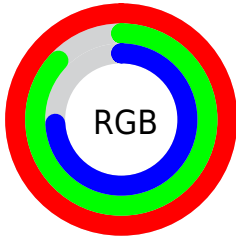
Format	Color
R _Y B	255, 251, 189
Decimal	16768445
CIE Lab	90.16, 7.08, 20.06
CIE LCh	90, 21.272, 70.548
Yxy	76.6470, 0.3601, 0.3618
Android (android.graphics.Color)	4294958525 (0xFFFFDDBD)
YUV	227.5180, -18.9894, 24.1017
Hunter-Lab	87.5483, 2.3299, 21.3848

Details

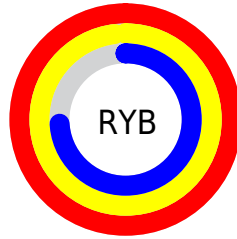
The Yxy color **76.6470, 0.3601, 0.3618** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **70.8128, 0.2714, 0.2938**, and the grayscale version is **77.3358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **41.0558, 0.3711, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **68.9674, 0.3830, 0.3751**, and if you desaturate by 10%, it is **85.0633, 0.3398, 0.3487**.

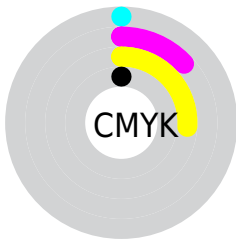
Distribution



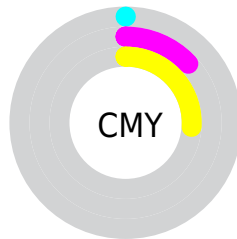
- Red (100%)
- Green (87%)
- Blue (74%)



- Red (100%)
- Yellow (98%)
- Blue (74%)



- Cyan (0%)
- Magenta (13%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6470, 0.3601, 0.3618 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 76.6470, 0.3601, 0.3618 by changing the saturation by 10% instead.


 76.6470, 0.3601,
0.3618

 76.6470, 0.3601,
0.3618


483.5596, 0.3383,
0.3471

 56.9632, 0.3650,
0.3650


 128.6411, 0.3526,
0.3568

 40.9757, 0.3711,
0.3689


161.7201, 0.3496,
0.3548

 28.3001, 0.3787,
0.3738


200.0330, 0.3471,
0.3531

 18.5520, 0.3886,
0.3799

243.9642, 0.3449,
0.3516

 11.3470, 0.4018,
0.3877

293.8981, 0.3429,
0.3503

 6.3007, 0.4204,
0.3982

350.2190, 0.3412,

 3.0288, 0.4477,

0.3491

0.4122

413.3114, 0.3397,
0.3481

■ 1.1468, 0.5330,
0.4670

■ 0.0176, 0.9151,
0.0849

■ 76.6470, 0.3601,
0.3618

■ 76.6470, 0.3601,
0.3618

■ 68.9674, 0.3830,
0.3751

■ 85.0633, 0.3398,
0.3487

■ 62.0030, 0.4084,
0.3879

■ 94.2389, 0.3221,
0.3361

■ 55.7297, 0.4358,
0.3992

100.0000, 0.3127,
0.3290

■ 50.1217, 0.4644,
0.4080

■ 45.1513, 0.4925,
0.4128

■ 40.7879, 0.5184,
0.4125

■ 36.9959, 0.5401,
0.4065

■ 35.5850, 0.5481,
0.4030

Harmonies

Analogous

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



76.6470, 0.3619, 0.3431



76.6470, 0.3601, 0.3618



76.6470, 0.3453, 0.3727

Triad

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



76.6470, 0.3601, 0.3618



76.6470, 0.2766, 0.3349



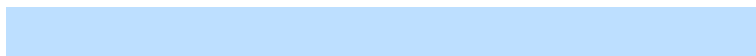
76.6470, 0.3019, 0.2905

Complementary

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



76.6470, 0.3601, 0.3618



70.8128, 0.2714, 0.2938

Split Complementary

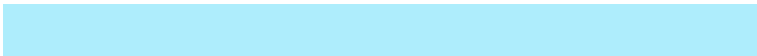
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6470, 0.2801, 0.2873



76.6470, 0.3601, 0.3618



76.6470, 0.2660, 0.3117

Square

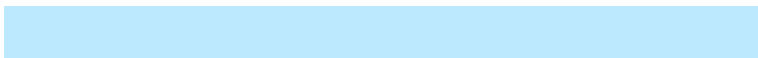
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6470, 0.3601, 0.3618



76.6470, 0.2969, 0.3574



76.6470, 0.2672, 0.2946



76.6470, 0.3275, 0.3029

Rectangle

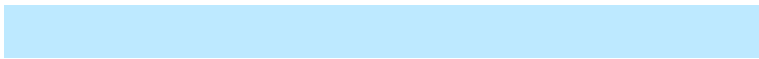
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6470, 0.3601, 0.3618



76.6470, 0.3303, 0.3734



76.6470, 0.2672, 0.2946



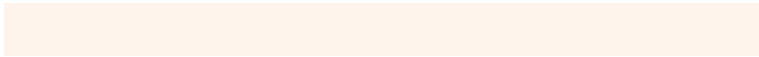
76.6470, 0.2939, 0.2883

Sweetspot

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



76.6466, 0.3601, 0.3618



92.2324, 0.3256, 0.3387



62.9871, 0.3401, 0.2944



19.4408, 0.3282, 0.3406



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.



76.6466, 0.3601, 0.3618



72.6267, 0.3715, 0.3686



95.7542, 0.3522, 0.3929



19.4408, 0.3282, 0.3406



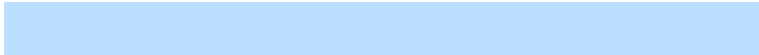
18.8901, 0.5455, 0.4051



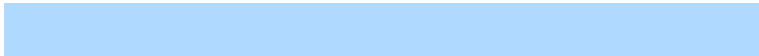
2.0569, 0.5273, 0.4195

Inverse Universe

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



70.8128, 0.2714, 0.2938



65.9010, 0.2630, 0.2857



54.9076, 0.2679, 0.2559



18.9255, 0.2979, 0.3172



12.6057, 0.1785, 0.1625



1.4462, 0.1841, 0.1826

Previews

White Background



This preview shows how the Yxy color 76.6470, 0.3601, 0.3618 looks on a white background.

Color Contrast Check

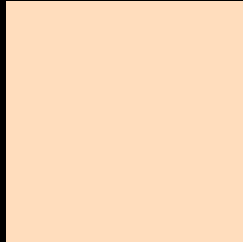
Large Text (above 18pt) WCAG AA × Fail

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 76.6470, 0.3601, 0.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

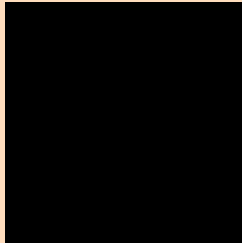
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6470, 0.3601, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 76.6470, 0.3601, 0.3618.



This preview shows how white text looks on a background with the Yxy color 76.6470, 0.3601, 0.3618.

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

76.6470, 0.3601, 0.3618

Protanopia

76.5492, 0.3448, 0.3651

Deuteranopia

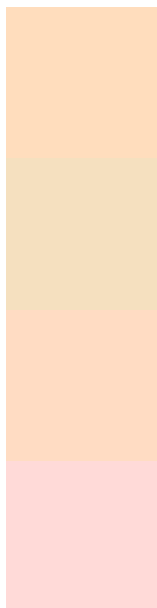
76.5236, 0.3538, 0.3515



Tritanopia

76.6552, 0.3308, 0.3151

Trichromacy



Original Color

76.6470, 0.3601, 0.3618

Protanomaly

76.4854, 0.3504, 0.3636

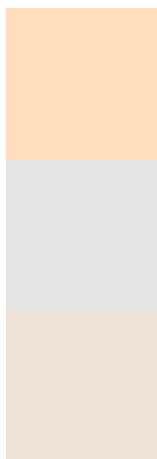
Deuteranomaly

76.3865, 0.3560, 0.3546

Tritanomaly

76.3607, 0.3413, 0.3311

Monochromacy



Original Color

76.6470, 0.3601, 0.3618

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

76.8826, 0.3292, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6470, 0.3601, 0.3618 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, 221, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 189)  
}
```

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, 221, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 189) }
```

Border

The CSS property to change the border of an element to Yxy 76.6470, 0.3601, 0.3618 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, 221, 189) }
```

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

```
.border{ border-color:rgb(255, 221, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6470, 0.3601, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 189) }
```

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

```
.background{ background-color: rgb(255,  
221, 189) }
```

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](#).

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