

Converting Colors

$Y_{xy}(76.0230, 0.3677, 0.3723)$

Have a look what the booklet for
Yxy(76.0230, 0.3677, 0.3723)
contains.

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Color

Yxy(76.1873, 0.3680, 0.3731)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFDDB2 |
| RGB | 255, 221, 178 |
| RGB Percent | 100%, 87%, 70% |
| CMY | 0.0000, 0.1334, 0.3019 |
| CMYK | 0.00, 0.13, 0.30, 0.00 |
| HSL | 33°, 100%, 85% |
| HSV | 33°, 30%, 100% |
| XYZ | 75.1459, 76.1873, 52.8676 |
| YIQ | 226.2640, 34.0670, -6.1650 |

Conversions

Conversions Part 2

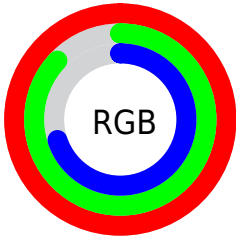
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 239, 255, 178 |
| Decimal | 16768434 |
| CIE Lab | 89.95, 5.67, 25.47 |
| CIE LCh | 90, 26.095, 77.445 |
| Yxy | 76.1873, 0.3680, 0.3731 |
| Android (android.graphics.Color) | 4294958514 (0xFFFFDDB2) |
| YUV | 226.2640, -23.7942, 25.2015 |
| Hunter-Lab | 87.2853, 0.9253, 25.1886 |

Details

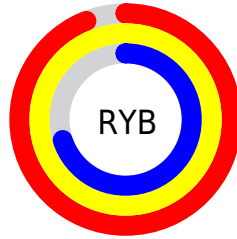
The Yxy color **76.1873, 0.3680, 0.3731** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.7823, 0.2636, 0.2804**, and the grayscale version is **76.4060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **40.6234, 0.3804, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **69.5008, 0.3905, 0.3881**, and if you desaturate by 10%, it is **83.4521, 0.3475, 0.3580**.

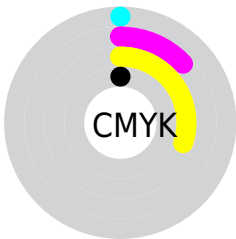
Distribution



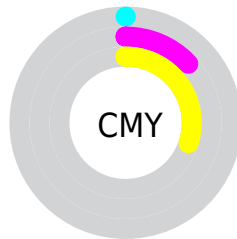
- Red (100%)
- Green (87%)
- Blue (70%)



- Red (94%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (13%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1873, 0.3680, 0.3731 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 76.1873, 0.3680, 0.3731 by changing the saturation by 10% instead.

 76.1873, 0.3680,
0.3731

 76.1873, 0.3680,
0.3731

481.9886, 0.3426,
0.3533

 56.5861, 0.3737,
0.3774

 127.9916, 0.3593,
0.3664

 40.6730, 0.3807,
0.3827


160.9636, 0.3558,
0.3637

 28.0637, 0.3894,
0.3891


199.1612, 0.3529,
0.3614

 18.3737, 0.4006,
0.3973

242.9689, 0.3503,
0.3594

 11.2186, 0.4154,
0.4076

292.7711, 0.3480,
0.3576

 6.2141, 0.4357,
0.4211

348.9522, 0.3460,

 2.9757, 0.4668,

0.3560

0.4409

411.8966, 0.3442,
0.3546

■ 1.1190, 0.5244,
0.4756

■ 0.0000, 1.0000,
0.0000

■ 76.1873, 0.3680,
0.3731

■ 76.1873, 0.3680,
0.3731

■ 69.5008, 0.3905,
0.3881

■ 83.4521, 0.3475,
0.3580

■ 63.3912, 0.4147,
0.4021

■ 91.3292, 0.3292,
0.3433

■ 57.8331, 0.4399,
0.4142

99.8297, 0.3130,
0.3293

■ 52.8054, 0.4651,
0.4230

100.0000, 0.3127,
0.3290

■ 48.2847, 0.4887,
0.4273

■ 44.2444, 0.5094,
0.4263

■ 40.7116, 0.5262,
0.4204

Harmonies

Analogous

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



76.1873, 0.3743, 0.3515



76.1873, 0.3680, 0.3731



76.1873, 0.3466, 0.3840

Triad

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



76.1873, 0.3680, 0.3731



76.1873, 0.2644, 0.3291



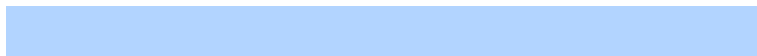
76.1873, 0.3063, 0.2848

Complementary

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



76.1873, 0.3680, 0.3731



63.7823, 0.2636, 0.2804

Split Complementary

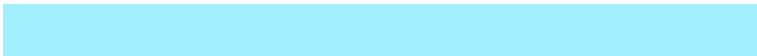
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1873, 0.2780, 0.2780



76.1873, 0.3680, 0.3731



76.1873, 0.2548, 0.3017

Square

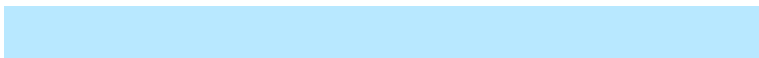
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1873, 0.3680, 0.3731



76.1873, 0.2867, 0.3583



76.1873, 0.2596, 0.2836



76.1873, 0.3377, 0.3019

Rectangle

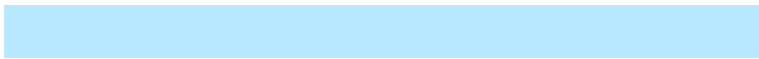
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.1873, 0.3680, 0.3731



76.1873, 0.3271, 0.3826



76.1873, 0.2596, 0.2836



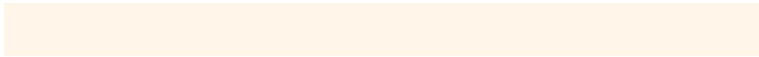
76.1873, 0.2961, 0.2812

Sweetspot

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



76.1817, 0.3680, 0.3731



92.3103, 0.3272, 0.3415



57.8904, 0.3504, 0.2935



19.5024, 0.3297, 0.3436



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.



76.1817, 0.3680, 0.3731



72.2315, 0.3808, 0.3819



95.2718, 0.3559, 0.4054



19.6692, 0.3280, 0.3423



21.5754, 0.5240, 0.4221



2.3186, 0.5088, 0.4342

Inverse Universe

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



63.7823, 0.2636, 0.2804



58.0958, 0.2537, 0.2693



48.9916, 0.2616, 0.2408



18.6984, 0.2979, 0.3154



10.1887, 0.1718, 0.1385



1.2055, 0.1779, 0.1603

Previews

White Background



This preview shows how the Yxy color 76.1873, 0.3680, 0.3731 looks on a white background.

Color Contrast Check

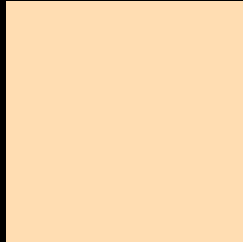
Large Text (above 18pt) WCAG AA × Fail

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 76.1873, 0.3680, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

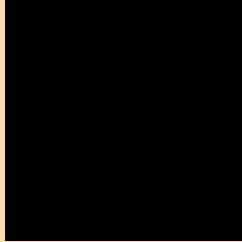
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1873, 0.3680, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 76.1873, 0.3680, 0.3731.



This preview shows how white text looks on a background with the Yxy color 76.1873, 0.3680, 0.3731.

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

76.1873, 0.3680, 0.3731

Protanopia

76.3888, 0.3546, 0.3777

Deuteranopia

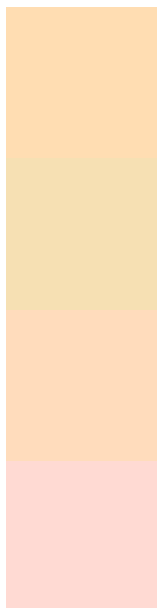
76.2967, 0.3574, 0.3567



Tritanopia

76.0849, 0.3316, 0.3151

Trichromacy



Original Color

76.1873, 0.3680, 0.3731

Protanomaly

76.1588, 0.3596, 0.3762

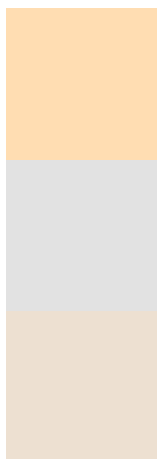
Deuteranomaly

76.0772, 0.3611, 0.3618

Tritanomaly

76.1060, 0.3449, 0.3362

Monochromacy



Original Color

76.1873, 0.3680, 0.3731

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.9193, 0.3320, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1873, 0.3680, 0.3731 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 178) }
```

Border

The CSS property to change the border of an element to Yxy 76.1873, 0.3680, 0.3731 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, 178) }
```

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

```
.border{ border-color:rgb(255, 221, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1873, 0.3680, 0.3731 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
221, 178) }
```

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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