

Converting Colors

$Y_{xy}(113.8878, 0.4754, 0.3702)$

Have a look what the booklet for
Yxy(113.8878, 0.4754, 0.3702)
contains.

Yxy(76.5734, 0.3800, 0.3933)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.5734, 0.3800, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	FFDFA0
RGB	255, 223, 160
RGB Percent	100%, 87%, 63%
CMY	0.0000, 0.1255, 0.3726
CMYK	0.00, 0.13, 0.37, 0.00
HSL	40°, 100%, 81%
HSV	40°, 37%, 100%
XYZ	73.9840, 76.5734, 44.1373
YIQ	225.3860, 39.2950, -12.8090

Conversions

Conversions Part 2

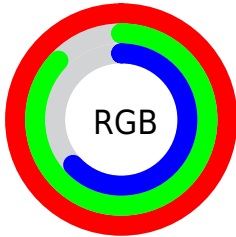
Format	Color
R _Y B	208, 255, 160
Decimal	16768928
CIE Lab	90.12, 2.51, 34.96
CIE LCh	90, 35.047, 85.898
Yxy	76.5734, 0.3800, 0.3933
Android (android.graphics.Color)	4294959008 (0xFFFFDFA0)
YUV	225.3860, -32.2353, 25.9715
Hunter-Lab	87.5062, -2.2194, 31.3491

Details

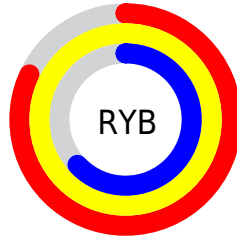
The Yxy color **76.5734, 0.3800, 0.3933** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.3961, 0.2497, 0.2546**, and the grayscale version is **75.7981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **40.9583, 0.3946, 0.4068** is the 20% darker color. If you saturate the color by 10%, you get **71.2912, 0.4011, 0.4101**, and if you desaturate by 10%, it is **82.2630, 0.3598, 0.3757**.

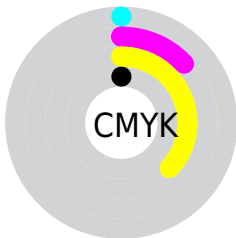
Distribution



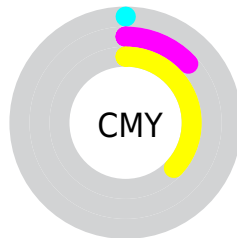
- Red (100%)
- Green (87%)
- Blue (63%)



- Red (82%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (13%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5734, 0.3800, 0.3933 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 76.5734, 0.3800, 0.3933 by changing the saturation by 10% instead.


 76.5734, 0.3800,
0.3933


 76.5734, 0.3800,
0.3933

483.3083, 0.3495,
0.3645

 56.9028, 0.3867,
0.3996


 128.5371, 0.3696,
0.3835

 40.9272, 0.3948,
0.4071


 161.5990, 0.3655,
0.3797

 28.2622, 0.4048,
0.4163


199.8935, 0.3620,
0.3763

 18.5234, 0.4172,
0.4276

243.8050, 0.3588,
0.3733

 11.3264, 0.4330,
0.4417

293.7178, 0.3561,
0.3707

 6.2868, 0.4530,
0.4590

350.0163, 0.3536,

 3.0203, 0.4993,

0.3684

0.5007

413.0850, 0.3515,
0.3663

■ 1.1423, 0.5038,
0.4962

■ 0.0138, 0.8432,
0.1568

■ 76.5734, 0.3800,
0.3933

■ 76.5734, 0.3800,
0.3933

■ 71.2912, 0.4011,
0.4101

■ 82.2630, 0.3598,
0.3757

■ 66.4147, 0.4226,
0.4251

■ 88.3865, 0.3411,
0.3581

■ 61.9235, 0.4435,
0.4370

■ 94.9524, 0.3241,
0.3409

■ 57.7998, 0.4628,
0.4449

100.0000, 0.3127,
0.3290

■ 54.0233, 0.4794,
0.4478

■ 50.5686, 0.4927,
0.4455

■ 49.6672, 0.4960,
0.4443

Harmonies

Analogous

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



76.5734, 0.3954, 0.3667



76.5734, 0.3800, 0.3933



76.5734, 0.3467, 0.4039

Triad

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



76.5734, 0.3800, 0.3933



76.5734, 0.2433, 0.3172



76.5734, 0.3156, 0.2761

Complementary

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



76.5734, 0.3800, 0.3933



52.3961, 0.2497, 0.2546

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.



76.5734, 0.2758, 0.2629



76.5734, 0.3800, 0.3933



76.5734, 0.2363, 0.2836

Square

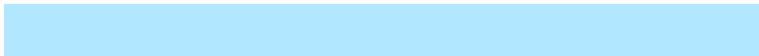
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5734, 0.3800, 0.3933



76.5734, 0.2681, 0.3580



76.5734, 0.2477, 0.2649



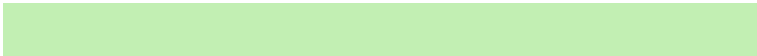
76.5734, 0.3571, 0.3012

Rectangle

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



76.5734, 0.3800, 0.3933



76.5734, 0.3194, 0.3983



76.5734, 0.2477, 0.2649



76.5734, 0.3016, 0.2702

Sweetspot

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



76.5691, 0.3800, 0.3933



92.4409, 0.3303, 0.3473



50.2629, 0.3718, 0.2945



19.5949, 0.3326, 0.3496



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.



76.5691, 0.3800, 0.3933



72.4459, 0.3963, 0.4064



92.7148, 0.3591, 0.4252



19.9992, 0.3278, 0.3447



26.2393, 0.4944, 0.4456



2.7568, 0.4836, 0.4542

Inverse Universe

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



52.3961, 0.2497, 0.2546



45.0222, 0.2357, 0.2358



41.3888, 0.2539, 0.2183



18.3778, 0.2979, 0.3128



7.4889, 0.1635, 0.1084



0.9214, 0.1697, 0.1308

Previews

White Background



This preview shows how the Yxy color 76.5734, 0.3800, 0.3933 looks on a white background.

Color Contrast Check

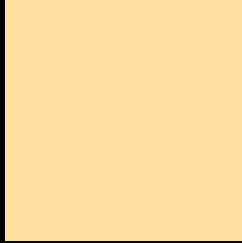
Large Text (above 18pt) WCAG AA × Fail

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 76.5734, 0.3800, 0.3933 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 76.5734, 0.3800, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 76.5734, 0.3800, 0.3933.



This preview shows how white text looks on a background with the Yxy color 76.5734, 0.3800, 0.3933.

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

76.5734, 0.3800, 0.3933

Protanopia

76.7799, 0.3688, 0.3972

Deuteranopia

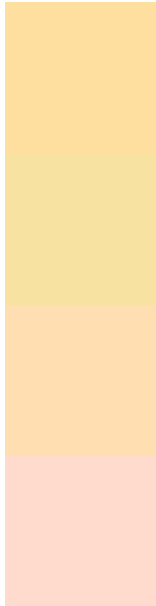
76.6470, 0.3601, 0.3618



Tritanopia

76.5989, 0.3315, 0.3161

Trichromacy



Original Color

76.5734, 0.3800, 0.3933

Protanomaly

76.9224, 0.3729, 0.3965

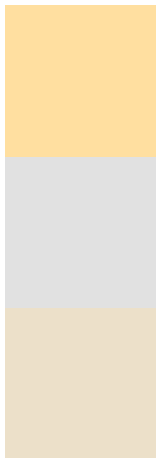
Deuteranomaly

76.7169, 0.3677, 0.3741

Tritanomaly

76.3308, 0.3490, 0.3433

Monochromacy



Original Color

76.5734, 0.3800, 0.3933

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.3612, 0.3368, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5734, 0.3800, 0.3933 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, 223, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 160)  
}
```

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, 223, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 160) }
```

Border

The CSS property to change the border of an element to Yxy 76.5734, 0.3800, 0.3933 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, 223, 160) }
```

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

```
.border{ border-color:rgb(255, 223, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5734, 0.3800, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 160) }
```

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

```
.background{ background-color: rgb(255,  
223, 160) }
```

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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