

Converting Colors

$Y_{xy}(77.3475, 0.3790, 0.3940)$

Have a look what the booklet for
Yxy(77.3475, 0.3790, 0.3940)
contains.

Yxy(77.1445, 0.3789, 0.3933)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1445, 0.3789, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	FFE0A1
RGB	255, 224, 161
RGB Percent	100%, 88%, 63%
CMY	0.0001, 0.1215, 0.3687
CMYK	0.00, 0.12, 0.37, 0.00
HSL	40°, 100%, 82%
HSV	40°, 37%, 100%
XYZ	74.3200, 77.1445, 44.6822
YIQ	226.0870, 38.6990, -13.0210

Conversions

Conversions Part 2

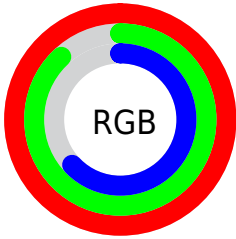
Format	Color
RYB	207, 255, 161
Decimal	16769185
CIELab	90.39, 2.07, 34.80
CIELCh	90, 34.865, 86.600
Yxy	77.1445, 0.3789, 0.3933
Android (android.graphics.Color)	4294959265 (0xFFFE0A1)
YUV	226.0870, -32.0879, 25.3567
Hunter-Lab	87.8319, -2.6661, 31.3201

Details

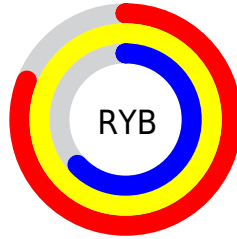
The Yxy color **77.1445, 0.3789, 0.3933** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.4657, 0.2503, 0.2546**, and the grayscale version is **76.3343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **41.3504, 0.3932, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **71.9349, 0.3998, 0.4103**, and if you desaturate by 10%, it is **82.7676, 0.3590, 0.3755**.

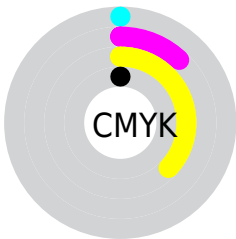
Distribution



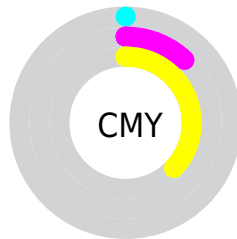
- Red (100%)
- Green (88%)
- Blue (63%)



- Red (81%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (12%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1445, 0.3789, 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 77.1445, 0.3789, 0.3933 by changing the saturation by 10% instead.


 77.1445, 0.3789,
0.3933


 77.1445, 0.3789,
0.3933


485.2566, 0.3489,
0.3645

 57.3715, 0.3855,
0.3996


 129.3434, 0.3687,
0.3835

 41.3036, 0.3934,
0.4071


 162.5381, 0.3647,
0.3797

 28.5564, 0.4032,
0.4163


200.9755, 0.3612,
0.3763

 18.7455, 0.4154,
0.4277

245.0400, 0.3581,
0.3733

 11.4865, 0.4308,
0.4419

295.1159, 0.3554,
0.3707

 6.3951, 0.4504,
0.4595

351.5878, 0.3530,

 3.0868, 0.4952,

0.3684

0.5009

414.8398, 0.3509,
0.3663

■ 1.1772, 0.5008,
0.4992

■ 0.0430, 0.6800,
0.3200

■ 77.1445, 0.3789,
0.3933

■ 77.1445, 0.3789,
0.3933

■ 71.9349, 0.3998,
0.4103

■ 82.7676, 0.3590,
0.3755

■ 67.1138, 0.4210,
0.4255

■ 88.8068, 0.3404,
0.3577

■ 62.6688, 0.4417,
0.4378

■ 95.2784, 0.3234,
0.3404

■ 58.5827, 0.4608,
0.4460

99.9950, 0.3127,
0.3290

■ 54.8354, 0.4771,
0.4492

■ 51.4024, 0.4902,
0.4473

■ 50.3798, 0.4939,
0.4460

Harmonies

Analogous

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



77.1445, 0.3947, 0.3672



77.1445, 0.3789, 0.3933



77.1445, 0.3455, 0.4033

Triad

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



77.1445, 0.3789, 0.3933



77.1445, 0.2435, 0.3164



77.1445, 0.3166, 0.2769

Complementary

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



77.1445, 0.3789, 0.3933



52.4657, 0.2503, 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.



77.1445, 0.2769, 0.2635



77.1445, 0.3789, 0.3933



77.1445, 0.2369, 0.2833

Square

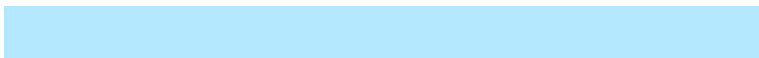
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1445, 0.3789, 0.3933



77.1445, 0.2676, 0.3568



77.1445, 0.2486, 0.2652



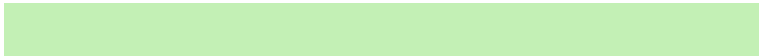
77.1445, 0.3576, 0.3021

Rectangle

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



77.1445, 0.3789, 0.3933



77.1445, 0.3184, 0.3973



77.1445, 0.2486, 0.2652



77.1445, 0.3026, 0.2710

Sweetspot

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



77.1481, 0.3789, 0.3933



92.5699, 0.3302, 0.3475



50.5581, 0.3725, 0.2965



19.6257, 0.3325, 0.3498



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.



77.1481, 0.3789, 0.3933



73.4042, 0.3938, 0.4056



92.4800, 0.3576, 0.4246



20.0232, 0.3277, 0.3449



26.6154, 0.4924, 0.4472



2.7915, 0.4819, 0.4556

Inverse Universe

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



52.4657, 0.2503, 0.2546



45.5848, 0.2373, 0.2372



42.0075, 0.2557, 0.2200



18.3549, 0.2979, 0.3126



7.3264, 0.1629, 0.1065



0.9035, 0.1691, 0.1288

Previews

White Background



This preview shows how the Yxy color 77.1445, 0.3789, 0.3933 looks on a white background.

Color Contrast Check

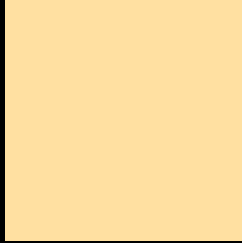
Large Text (above 18pt) WCAG AA × Fail

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 77.1445, 0.3789, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

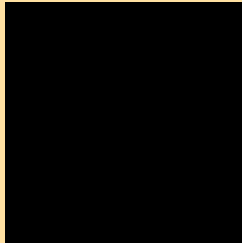
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1445, 0.3789, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 77.1445, 0.3789, 0.3933.



This preview shows how white text looks on a background with the Yxy color 77.1445, 0.3789, 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

77.1445, 0.3789, 0.3933

Protanopia

76.9593, 0.3696, 0.3970

Deuteranopia

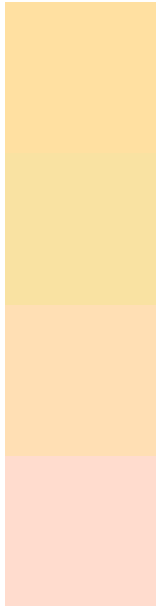
77.2641, 0.3584, 0.3607



Tritanopia

77.1723, 0.3307, 0.3161

Trichromacy



Original Color

77.1445, 0.3789, 0.3933

Protanomaly

77.1411, 0.3729, 0.3953

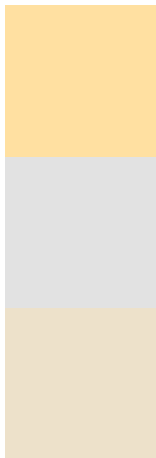
Deuteranomaly

77.3306, 0.3660, 0.3730

Tritanomaly

76.9026, 0.3481, 0.3433

Monochromacy



Original Color

77.1445, 0.3789, 0.3933

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.1192, 0.3367, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1445, 0.3789, 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, 224, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 161)  
}
```

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, 224, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 161) }
```

Border

The CSS property to change the border of an element to Yxy 77.1445, 0.3789, 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, 224, 161) }
```

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

```
.border{ border-color:rgb(255, 224, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1445, 0.3789, 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, 224, 161) }
```

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

```
.background{ background-color: rgb(255,  
224, 161) }
```

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