

Converting Colors

$Y_{xy}(113.1144, 0.4772, 0.3775)$

Have a look what the booklet for
Yxy(113.1144, 0.4772, 0.3775)
contains.

Yxy(77.3448, 0.3853, 0.4041)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3448, 0.3853, 0.4041)

Conversions

Conversions Part 1

Format	Color
Hex	FFE197
RGB	255, 225, 151
RGB Percent	100%, 88%, 59%
CMY	0.0000, 0.1176, 0.4079
CMYK	0.00, 0.12, 0.41, 0.00
HSL	43°, 100%, 80%
HSV	43°, 41%, 100%
XYZ	73.7465, 77.3448, 40.3089
YIQ	225.5340, 41.6340, -16.6540

Conversions

Conversions Part 2

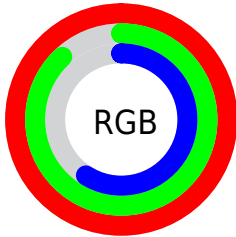
Format	Color
R_{YB}	193, 255, 151
Decimal	16769431
CIE Lab	90.48, 0.48, 39.98
CIE LCh	90, 39.982, 89.307
Yxy	77.3448, 0.3853, 0.4041
Android (android.graphics.Color)	4294959511 (0xFFFFE197)
YUV	225.5340, -36.7453, 25.8417
Hunter-Lab	87.9459, -4.2253, 34.3873

Details

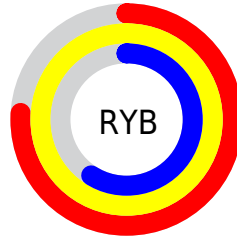
The Yxy color **77.3448, 0.3853, 0.4041** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.8248, 0.2423, 0.2398**, and the grayscale version is **75.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **41.5206, 0.4009, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **72.7190, 0.4053, 0.4214**, and if you desaturate by 10%, it is **82.3279, 0.3657, 0.3856**.

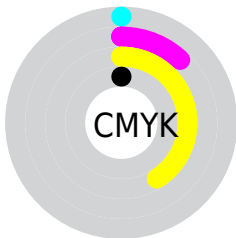
Distribution



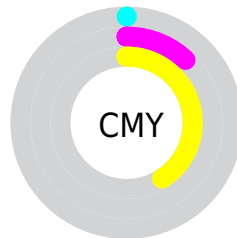
- Red (100%)
- Green (88%)
- Blue (59%)



- Red (76%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (12%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3448, 0.3853, 0.4041 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 77.3448, 0.3853, 0.4041 by changing the saturation by 10% instead.

 77.3448, 0.3853,
0.4041

 77.3448, 0.3853,
0.4041

485.9388, 0.3527,
0.3705

 57.5359, 0.3923,
0.4113


 129.6261, 0.3743,
0.3928

 41.4357, 0.4007,
0.4200


 162.8673, 0.3699,
0.3883

 28.6597, 0.4110,
0.4305


201.3547, 0.3661,
0.3843

 18.8235, 0.4234,
0.4433

245.4727, 0.3628,
0.3809

 11.5428, 0.4388,
0.4589

295.6057, 0.3598,
0.3778

 6.4332, 0.4572,
0.4776

352.1382, 0.3572,

 3.1102, 0.4896,

0.3751

0.5104

415.4544, 0.3549,
0.3727

■ 1.1896, 0.4905,
0.5095

■ 0.0531, 0.5397,
0.4603

■ 77.3448, 0.3853,
0.4041

■ 77.3448, 0.3853,
0.4041

■ 72.7190, 0.4053,
0.4214

■ 82.3279, 0.3657,
0.3856

■ 68.4261, 0.4250,
0.4363

■ 87.6704, 0.3471,
0.3667

■ 64.4543, 0.4435,
0.4478

■ 93.3875, 0.3298,
0.3482

■ 60.7865, 0.4598,
0.4549

■ 99.4906, 0.3139,
0.3304

■ 57.4025, 0.4731,
0.4569

99.9980, 0.3127,
0.3290

■ 54.5094, 0.4828,
0.4548

Harmonies

Analogous

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



77.3448, 0.4060, 0.3749



77.3448, 0.3853, 0.4041



77.3448, 0.3456, 0.4144

Triad

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



77.3448, 0.3853, 0.4041



77.3448, 0.2325, 0.3100



77.3448, 0.3213, 0.2722

Complementary

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



77.3448, 0.3853, 0.4041



46.8248, 0.2423, 0.2398

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.



77.3448, 0.2754, 0.2556



77.3448, 0.3853, 0.4041



77.3448, 0.2271, 0.2739

Square

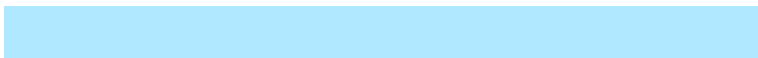
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3448, 0.3853, 0.4041



77.3448, 0.2579, 0.3567



77.3448, 0.2421, 0.2555



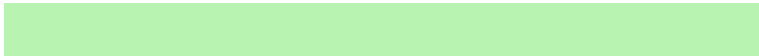
77.3448, 0.3680, 0.3013

Rectangle

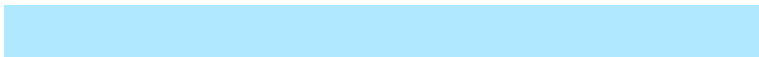
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3448, 0.3853, 0.4041



77.3448, 0.3145, 0.4062



77.3448, 0.2421, 0.2555



77.3448, 0.3052, 0.2650

Sweetspot

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



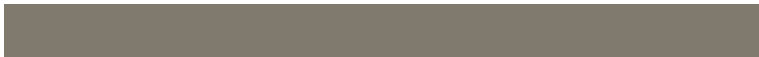
77.3484, 0.3853, 0.4041



92.6852, 0.3318, 0.3504



46.7681, 0.3853, 0.2966



19.6752, 0.3340, 0.3528



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.



77.3484, 0.3853, 0.4041



73.5302, 0.4017, 0.4184



91.2707, 0.3596, 0.4356



20.1541, 0.3276, 0.3458



28.7540, 0.4815, 0.4559



2.9873, 0.4727, 0.4629

Inverse Universe

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



46.8248, 0.2423, 0.2398



39.2645, 0.2270, 0.2179



38.0902, 0.2508, 0.2074



18.2304, 0.2979, 0.3116



6.5163, 0.1602, 0.0966



0.8121, 0.1662, 0.1183

Previews

White Background



This preview shows how the Yxy color 77.3448, 0.3853, 0.4041 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 77.3448, 0.3853, 0.4041 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 77.3448, 0.3853, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 77.3448, 0.3853, 0.4041.



This preview shows how white text looks on a background with the Yxy color 77.3448, 0.3853, 0.4041.

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

77.3448, 0.3853, 0.4041

Protanopia

77.5280, 0.3774, 0.4076

Deuteranopia

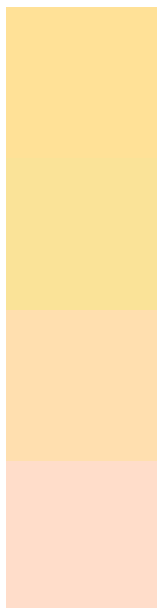
77.1767, 0.3598, 0.3628



Tritanopia

77.1723, 0.3307, 0.3161

Trichromacy



Original Color

77.3448, 0.3853, 0.4041

Protanomaly

77.5292, 0.3800, 0.4060

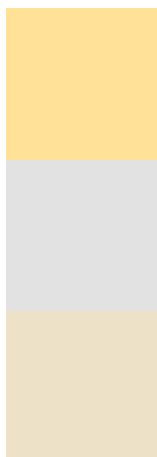
Deuteranomaly

77.1305, 0.3695, 0.3781

Tritanomaly

77.2372, 0.3508, 0.3484

Monochromacy



Original Color

77.3448, 0.3853, 0.4041

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5208, 0.3386, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3448, 0.3853, 0.4041 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, 225, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 151)  
}
```

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, 225, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 151) }
```

Border

The CSS property to change the border of an element to Yxy 77.3448, 0.3853, 0.4041 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, 225, 151) }
```

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

```
.border{ border-color:rgb(255, 225, 151) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3448, 0.3853, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 151) }
```

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

```
.background{ background-color: rgb(255,  
225, 151) }
```

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