

Converting Colors

$Yxy(78.9523, 0.3404, 0.3609)$

Have a look what the booklet for
Yxy(78.9523, 0.3404, 0.3609)
contains.

Yxy(78.6874, 0.3403, 0.3605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.6874, 0.3403, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	F0E5C7
RGB	240, 229, 199
RGB Percent	94%, 90%, 78%
CMY	0.0586, 0.1020, 0.2196
CMYK	0.00, 0.05, 0.17, 0.06
HSL	44°, 58%, 86%
HSV	44°, 17%, 94%
XYZ	74.2783, 78.6874, 65.3073
YIQ	228.8690, 16.1860, -6.9980

Conversions

Conversions Part 2

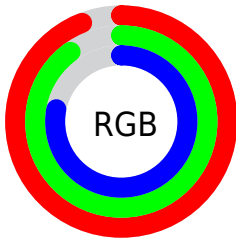
Format	Color
R_{YB}	214, 240, 199
Decimal	15787463
CIE Lab	91.09, -1.06, 15.98
CIE LCh	91, 16.010, 93.779
Yxy	78.6874, 0.3403, 0.3605
Android (android.graphics.Color)	4293977543 (0xFFFF0E5C7)
YUV	228.8690, -14.7254, 9.7619
Hunter-Lab	88.7059, -5.7676, 18.4435

Details

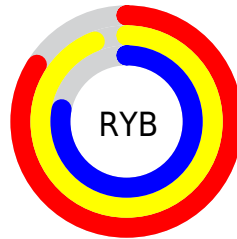
The Yxy color **78.6874, 0.3403, 0.3605** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.5682, 0.2853, 0.2954**, and the grayscale version is **78.3621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5068, 0.3467, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **74.1462, 0.3582, 0.3797**, and if you desaturate by 10%, it is **83.5451, 0.3237, 0.3418**.

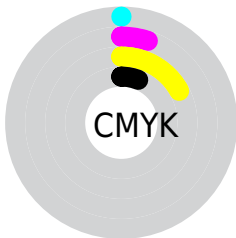
Distribution



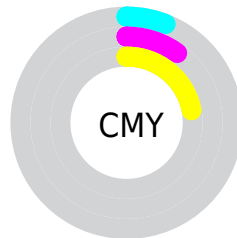
- Red (94%)
- Green (90%)
- Blue (78%)



- Red (84%)
- Yellow (94%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (17%)
- Black (6%)




- Cyan (6%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6874, 0.3403, 0.3605 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 78.6874, 0.3403, 0.3605 by changing the saturation by 10% instead.


 78.6874, 0.3403,
0.3605

 78.6874, 0.3403,
0.3605


490.4982, 0.3277,
0.3461

 58.6388, 0.3431,
0.3637

131.5187, 0.3360,
0.3555

 42.3224, 0.3466,
0.3677


165.0702, 0.3343,
0.3536

 29.3539, 0.3509,
0.3727


203.8915, 0.3328,
0.3519

 19.3487, 0.3565,
0.3792

248.3669, 0.3316,
0.3505

 11.9225, 0.3639,
0.3878

298.8809, 0.3304,
0.3492

 6.6909, 0.3743,
0.4000

355.8179, 0.3294,

 3.2696, 0.3896,

0.3480

0.4181

419.5622, 0.3285,
0.3470

■ 1.2740, 0.4409,
0.4767

■ 0.1210, 0.4245,
0.5755

■ 78.6874, 0.3403,
0.3605

■ 78.6874, 0.3403,
0.3605

■ 74.1462, 0.3582,
0.3797

■ 83.5451, 0.3237,
0.3418

■ 69.9014, 0.3771,
0.3988

■ 88.7179, 0.3085,
0.3239

■ 65.9461, 0.3966,
0.4169

■ 93.1427, 0.3037,
0.3225

■ 62.2692, 0.4159,
0.4332

■ 97.2016, 0.3036,
0.3289

■ 58.8583, 0.4342,
0.4464

■ 97.2757, 0.3036,
0.3290

■ 55.6997, 0.4506,
0.4556

■ 52.7776, 0.4644,
0.4600

■ 50.0718, 0.4750,
0.4595

■ 49.3195, 0.4777,
0.4589

Harmonies

Analogous

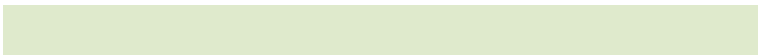
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6874, 0.3492, 0.3510



78.6874, 0.3403, 0.3605



78.6874, 0.3241, 0.3615

Triad

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



78.6874, 0.3403, 0.3605



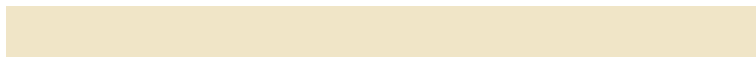
78.6874, 0.2786, 0.3200



78.6874, 0.3195, 0.3067

Complementary

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



78.6874, 0.3403, 0.3605



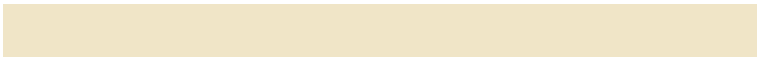
64.5682, 0.2853, 0.2954

Split Complementary

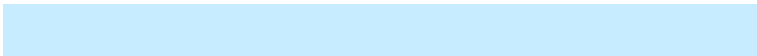
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6874, 0.3006, 0.2987



78.6874, 0.3403, 0.3605



78.6874, 0.2775, 0.3058

Square

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



78.6874, 0.3403, 0.3605



78.6874, 0.2886, 0.3375



78.6874, 0.2854, 0.2982



78.6874, 0.3371, 0.3202

Rectangle

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



78.6874, 0.3403, 0.3605



78.6874, 0.3114, 0.3568



78.6874, 0.2854, 0.2982



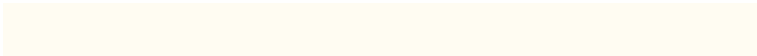
78.6874, 0.3131, 0.3033

Sweetspot

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



78.6909, 0.3403, 0.3605



97.0315, 0.3204, 0.3380



64.0692, 0.3365, 0.3167



20.6810, 0.3215, 0.3393



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.



78.6909, 0.3403, 0.3605



88.1475, 0.3473, 0.3681



83.4952, 0.3322, 0.3724



17.6959, 0.3275, 0.3462



27.2147, 0.4766, 0.4598



2.4275, 0.4673, 0.4671

Inverse Universe

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



64.5682, 0.2853, 0.2954



68.7563, 0.2784, 0.2866



60.5386, 0.2910, 0.2834



15.9222, 0.2980, 0.3112



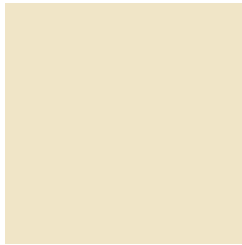
5.6839, 0.1592, 0.0930



0.6318, 0.1662, 0.1181

Previews

White Background



This preview shows how the Yxy color 78.6874, 0.3403, 0.3605 looks on a white background.

Color Contrast Check

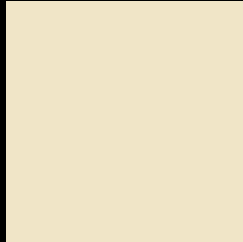
Large Text (above 18pt) WCAG AA × Fail

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 78.6874, 0.3403, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

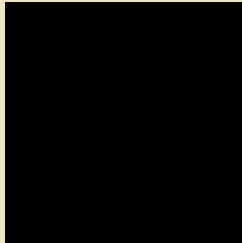
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

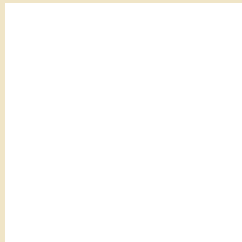
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6874, 0.3403, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 78.6874, 0.3403, 0.3605.

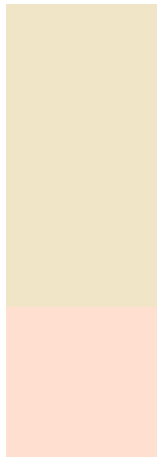


This preview shows how white text looks on a background with the Yxy color 78.6874, 0.3403, 0.3605.

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

78.6874, 0.3403, 0.3605

Protanopia

78.8629, 0.3410, 0.3605

Deuteranopia

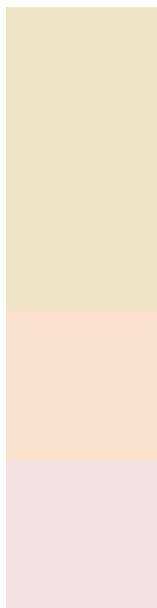
78.5894, 0.3461, 0.3443



Tritanopia

78.7191, 0.3171, 0.3109

Trichromacy



Original Color

78.6874, 0.3403, 0.3605

Protanomaly

78.8629, 0.3410, 0.3605

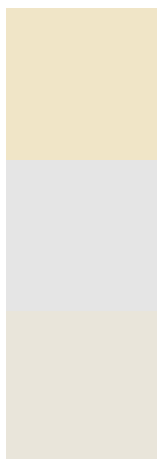
Deuteranomaly

78.5822, 0.3442, 0.3496

Tritanomaly

78.5745, 0.3255, 0.3280

Monochromacy



Original Color

78.6874, 0.3403, 0.3605

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.4242, 0.3226, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6874, 0.3403, 0.3605 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(240, 229, 199)` looks like.

```
.text, #text, p{  
    color:rgb(240, 229, 199)  
}
```

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(240, 229, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 229, 199) }
```

Border

The CSS property to change the border of an element to Yxy 78.6874, 0.3403, 0.3605 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(240, 229, 199) }
```

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

```
.border{ border-color:rgb(240, 229, 199) }
```

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

Here you see how a box with a 4 pixel rgb(240, 229, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 229, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 229, 199);  
box-shadow:4px 4px 4px 4px rgb(240, 229,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6874, 0.3403, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 229, 199) }
```

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

```
.background{ background-color: rgb(240,  
229, 199) }
```

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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