

Converting Colors

$Y_{xy}(85.4723, 0.3859, 0.3790)$

Have a look what the booklet for
Yxy(85.4723, 0.3859, 0.3790)
contains.

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Color

Yxy(80.4332, 0.3670, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B0
RGB	255, 229, 176
RGB Percent	100%, 90%, 69%
CMY	0.0000, 0.1019, 0.3098
CMYK	0.00, 0.10, 0.31, 0.00
HSL	40°, 100%, 85%
HSV	40°, 31%, 100%
XYZ	77.0932, 80.4332, 52.5368
YIQ	230.7320, 32.5090, -10.9710

Conversions

Conversions Part 2

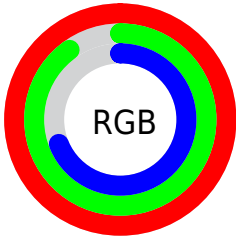
Format	Color
R _Y B	215, 255, 176
Decimal	16770480
CIE Lab	91.88, 1.30, 29.13
CIE LCh	92, 29.160, 87.441
Yxy	80.4332, 0.3670, 0.3829
Android (android.graphics.Color)	4294960560 (0xFFFFE5B0)
YUV	230.7320, -26.9829, 21.2830
Hunter-Lab	89.6846, -3.5087, 28.0474

Details

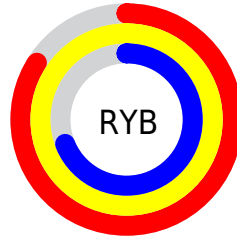
The Yxy color **80.4332, 0.3670, 0.3829** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.6834, 0.2610, 0.2684**, and the grayscale version is **79.8893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **43.5725, 0.3785, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **74.9902, 0.3874, 0.4005**, and if you desaturate by 10%, it is **86.2974, 0.3478, 0.3650**.

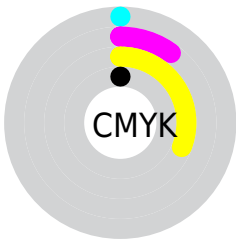
Distribution



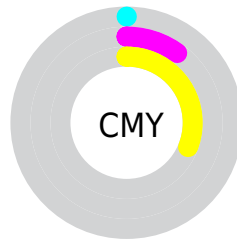
- Red (100%)
- Green (90%)
- Blue (69%)



- Red (84%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (10%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4332, 0.3670, 0.3829 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 80.4332, 0.3670, 0.3829 by changing the saturation by 10% instead.

 80.4332, 0.3670,
0.3829

 80.4332, 0.3670,
0.3829


496.3915, 0.3425,
0.3587

 60.0749, 0.3724,
0.3882


 133.9746, 0.3586,
0.3747

 43.4790, 0.3790,
0.3946


167.9265, 0.3554,
0.3714

 30.2611, 0.3871,
0.4025


207.1784, 0.3525,
0.3686

 20.0369, 0.3973,
0.4124

252.1147, 0.3500,
0.3661

 12.4219, 0.4105,
0.4252

303.1198, 0.3478,
0.3639

 7.0317, 0.4279,
0.4418

360.5780, 0.3458,

 3.4819, 0.4536,

0.3620

0.4660

424.8738, 0.3441,
0.3603

■ 1.3882, 0.4954,
0.5046

■ 0.2080, 0.5245,
0.4755

■ 80.4332, 0.3670,
0.3829

■ 80.4332, 0.3670,
0.3829

■ 74.9902, 0.3874,
0.4005

■ 86.2974, 0.3478,
0.3650

■ 69.9436, 0.4085,
0.4169

■ 92.5846, 0.3302,
0.3474

■ 65.2823, 0.4296,
0.4310

■ 99.3107, 0.3142,
0.3306

■ 60.9897, 0.4497,
0.4418

■ 99.9982, 0.3127,
0.3290

■ 57.0477, 0.4678,
0.4480

■ 53.4347, 0.4828,
0.4491

■ 50.4287, 0.4938,
0.4461

Harmonies

Analogous

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



80.4332, 0.3802, 0.3621



80.4332, 0.3670, 0.3829



80.4332, 0.3393, 0.3899

Triad

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



80.4332, 0.3670, 0.3829



80.4332, 0.2547, 0.3182



80.4332, 0.3172, 0.2859

Complementary

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



80.4332, 0.3670, 0.3829



58.6834, 0.2610, 0.2684

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.



80.4332, 0.2840, 0.2744



80.4332, 0.3670, 0.3829



80.4332, 0.2494, 0.2909

Square

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



80.4332, 0.3670, 0.3829



80.4332, 0.2748, 0.3510



80.4332, 0.2598, 0.2757



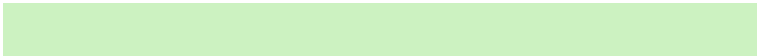
80.4332, 0.3507, 0.3075

Rectangle

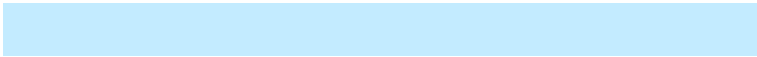
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4332, 0.3670, 0.3829



80.4332, 0.3169, 0.3842



80.4332, 0.2598, 0.2757



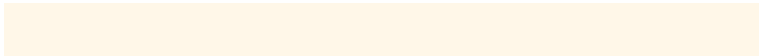
80.4332, 0.3056, 0.2808

Sweetspot

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



80.4369, 0.3670, 0.3829



93.8869, 0.3269, 0.3440



56.5901, 0.3598, 0.3018



19.8914, 0.3293, 0.3465



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

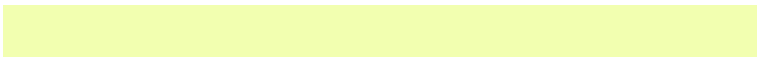
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4369, 0.3670, 0.3829



77.1140, 0.3792, 0.3936



93.4950, 0.3507, 0.4091



20.0246, 0.3277, 0.3449



26.6369, 0.4923, 0.4473



2.7935, 0.4818, 0.4556

Inverse Universe

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



58.6834, 0.2610, 0.2684



52.3214, 0.2501, 0.2543



49.1116, 0.2665, 0.2397



18.3536, 0.2979, 0.3126



7.3173, 0.1629, 0.1064



0.9025, 0.1691, 0.1287

Previews

White Background



This preview shows how the Yxy color 80.4332, 0.3670, 0.3829 looks on a white background.

Color Contrast Check

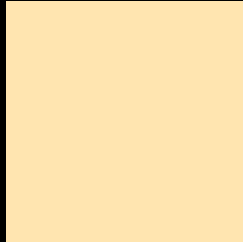
Large Text (above 18pt) WCAG AA × Fail

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 80.4332, 0.3670, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

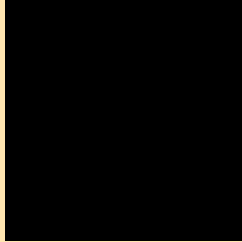
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4332, 0.3670, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 80.4332, 0.3670, 0.3829.

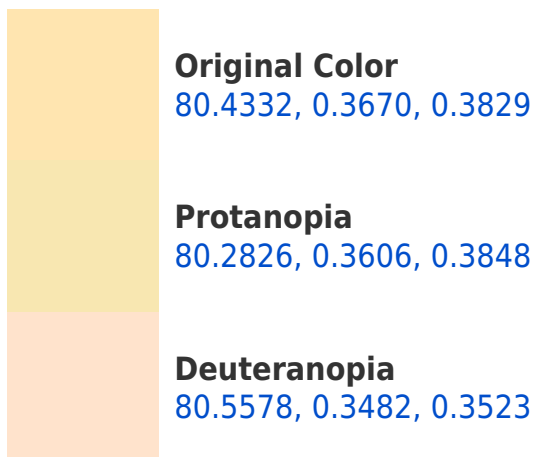


This preview shows how white text looks on a background with the Yxy color 80.4332, 0.3670, 0.3829.

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

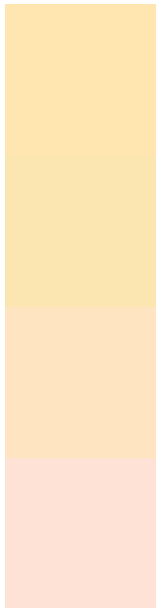




Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



Original Color

80.4332, 0.3670, 0.3829

Protanomaly

80.2772, 0.3631, 0.3834

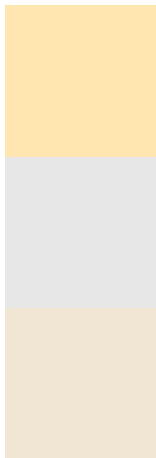
Deuteranomaly

80.6418, 0.3549, 0.3635

Tritanomaly

80.5078, 0.3414, 0.3411

Monochromacy



Original Color

80.4332, 0.3670, 0.3829

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8220, 0.3321, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4332, 0.3670, 0.3829 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, 229, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 176)  
}
```

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, 229, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 176) }
```

Border

The CSS property to change the border of an element to Yxy 80.4332, 0.3670, 0.3829 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, 229, 176) }
```

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

```
.border{ border-color:rgb(255, 229, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4332, 0.3670, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 176) }
```

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

```
.background{ background-color: rgb(255,  
229, 176) }
```

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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