

Converting Colors

$Y_{xy}(80.2346, 0.3666, 0.3817)$

Have a look what the booklet for
Yxy(80.2346, 0.3666, 0.3817)
contains.

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Color

Yxy(80.4729, 0.3663, 0.3819)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B1
RGB	255, 229, 177
RGB Percent	100%, 90%, 69%
CMY	0.0001, 0.1019, 0.3059
CMYK	0.00, 0.10, 0.31, 0.00
HSL	40°, 100%, 85%
HSV	40°, 31%, 100%
XYZ	77.1857, 80.4729, 53.0586
YIQ	230.8460, 32.1880, -10.6600

Conversions

Conversions Part 2

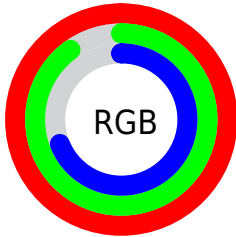
Format	Color
R_{YB}	216, 255, 177
Decimal	16770481
CIE _{Lab}	91.90, 1.41, 28.64
CIE _{LCh}	92, 28.679, 87.179
Yxy	80.4729, 0.3663, 0.3819
Android (android.graphics.Color)	4294960561 (0xFFFFE5B1)
YUV	230.8460, -26.5461, 21.1831
Hunter-Lab	89.7067, -3.4012, 27.7266

Details

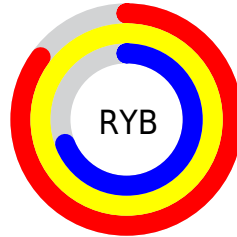
The Yxy color **80.4729, 0.3663, 0.3819** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.2524, 0.2617, 0.2696**, and the grayscale version is **79.9734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **43.5977, 0.3777, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **74.9707, 0.3867, 0.3994**, and if you desaturate by 10%, it is **86.4019, 0.3471, 0.3641**.

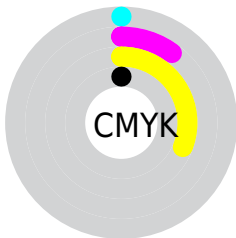
Distribution



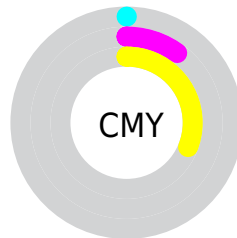
- Red (100%)
- Green (90%)
- Blue (69%)



- Red (85%)
- 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 80.4729, 0.3663, 0.3819 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 80.4729, 0.3663, 0.3819 by changing the saturation by 10% instead.


 80.4729, 0.3663,
0.3819

 80.4729, 0.3663,
0.3819


496.5251, 0.3421,
0.3581

 60.1076, 0.3716,
0.3871

 134.0304, 0.3580,
0.3738

 43.5054, 0.3781,
0.3934


167.9914, 0.3548,
0.3706

 30.2818, 0.3861,
0.4012


207.2530, 0.3520,
0.3679

 20.0526, 0.3963,
0.4109

252.1997, 0.3495,
0.3654

 12.4333, 0.4094,
0.4235

303.2159, 0.3473,
0.3633

 7.0395, 0.4267,
0.4399

360.6859, 0.3454,

 3.4868, 0.4520,

0.3614

0.4634

424.9942, 0.3437,
0.3597

■ 1.3909, 0.4961,
0.5039

■ 0.2100, 0.5271,
0.4729

■ 80.4729, 0.3663,
0.3819

■ 80.4729, 0.3663,
0.3819

■ 74.9707, 0.3867,
0.3994

■ 86.4019, 0.3471,
0.3641

■ 69.8705, 0.4079,
0.4158

■ 92.7598, 0.3295,
0.3466

■ 65.1610, 0.4292,
0.4300

■ 99.5623, 0.3136,
0.3299

■ 60.8259, 0.4495,
0.4408

■ 99.9936, 0.3127,
0.3290

■ 56.8466, 0.4679,
0.4472

■ 53.2019, 0.4832,
0.4484

■ 50.0443, 0.4949,
0.4453

Harmonies

Analogous

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



80.4729, 0.3791, 0.3614



80.4729, 0.3663, 0.3819



80.4729, 0.3392, 0.3888

Triad

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



80.4729, 0.3663, 0.3819



80.4729, 0.2557, 0.3187



80.4729, 0.3168, 0.2864

Complementary

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



80.4729, 0.3663, 0.3819



59.2524, 0.2617, 0.2696

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.



80.4729, 0.2843, 0.2752



80.4729, 0.3663, 0.3819



80.4729, 0.2504, 0.2918

Square

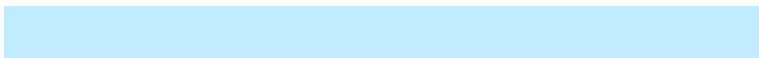
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4729, 0.3663, 0.3819



80.4729, 0.2756, 0.3509



80.4729, 0.2605, 0.2766



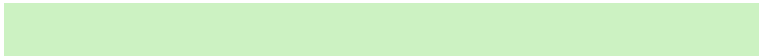
80.4729, 0.3498, 0.3076

Rectangle

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



80.4729, 0.3663, 0.3819



80.4729, 0.3171, 0.3834



80.4729, 0.2605, 0.2766



80.4729, 0.3054, 0.2814

Sweetspot

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



80.4766, 0.3663, 0.3819



93.8321, 0.3269, 0.3439



57.0092, 0.3590, 0.3022



19.8778, 0.3293, 0.3464



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

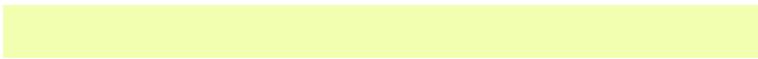
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4766, 0.3663, 0.3819



76.9169, 0.3793, 0.3932



93.5452, 0.3502, 0.4080



20.0122, 0.3277, 0.3448



26.4428, 0.4933, 0.4465



2.7756, 0.4827, 0.4549

Inverse Universe

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



59.2524, 0.2617, 0.2696



52.4824, 0.2501, 0.2547



49.6085, 0.2672, 0.2410



18.3654, 0.2979, 0.3127



7.4001, 0.1632, 0.1074



0.9117, 0.1694, 0.1297

Previews

White Background



This preview shows how the Yxy color 80.4729, 0.3663, 0.3819 looks on a white background.

Color Contrast Check

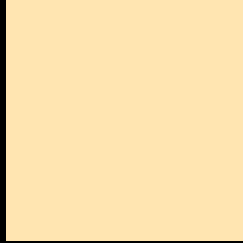
Large Text (above 18pt) WCAG AA × Fail

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 80.4729, 0.3663, 0.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

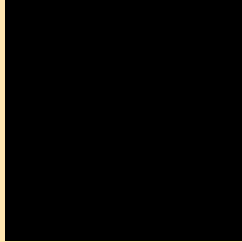
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4729, 0.3663, 0.3819

Background



This preview shows how black text looks on a background with the Yxy color 80.4729, 0.3663, 0.3819.

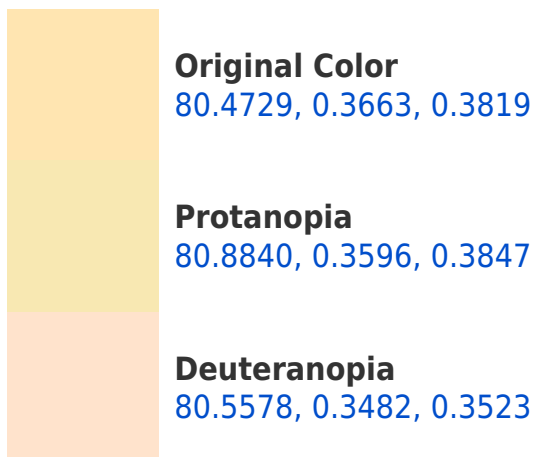


This preview shows how white text looks on a background with the Yxy color 80.4729, 0.3663, 0.3819.

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

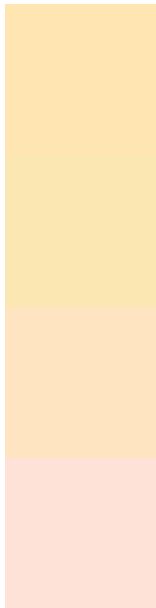




Tritanopia

80.6857, 0.3260, 0.3162

Trichromacy



Original Color

80.4729, 0.3663, 0.3819

Protanomaly

80.8754, 0.3621, 0.3833

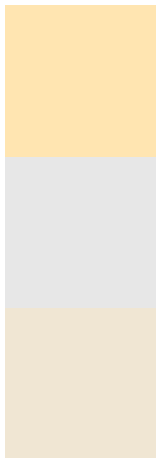
Deuteranomaly

80.6418, 0.3549, 0.3635

Tritanomaly

80.5590, 0.3407, 0.3401

Monochromacy



Original Color

80.4729, 0.3663, 0.3819

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 80.4729, 0.3663, 0.3819 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 177) }
```

Border

The CSS property to change the border of an element to Yxy 80.4729, 0.3663, 0.3819 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, 177) }
```

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

```
.border{ border-color:rgb(255, 229, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4729, 0.3663, 0.3819 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
229, 177) }
```

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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