

Converting Colors

$Y_{xy}(80.2537, 0.3454, 0.3640)$

Have a look what the booklet for
Yxy(80.2537, 0.3454, 0.3640)
contains.

Yxy(80.0373, 0.3451, 0.3633)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.0373, 0.3451, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	F5E6C5
RGB	245, 230, 197
RGB Percent	96%, 90%, 77%
CMY	0.0392, 0.0980, 0.2276
CMYK	0.00, 0.06, 0.20, 0.04
HSL	41°, 71%, 87%
HSV	41°, 20%, 96%
XYZ	76.0277, 80.0373, 64.2413
YIQ	230.7230, 19.5330, -7.0830

Conversions

Conversions Part 2

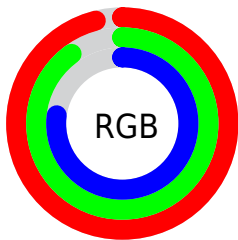
Format	Color
R _Y B	219, 245, 197
Decimal	16115397
CIE Lab	91.70, -0.09, 17.95
CIE LCh	92, 17.948, 90.294
Yxy	80.0373, 0.3451, 0.3633
Android (android.graphics.Color)	4294305477 (0xFFFF5E6C5)
YUV	230.7230, -16.6254, 12.5209
Hunter-Lab	89.4636, -4.8688, 20.0500

Details

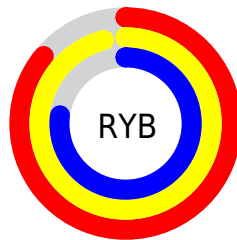
The Yxy color **80.0373, 0.3451, 0.3633** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.5226, 0.2811, 0.2922**, and the grayscale version is **79.8099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **43.3345, 0.3520, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **74.8445, 0.3638, 0.3816**, and if you desaturate by 10%, it is **85.6065, 0.3278, 0.3454**.

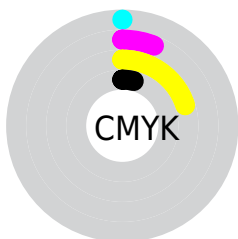
Distribution



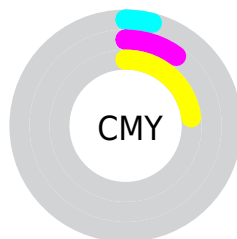
- Red (96%)
- Green (90%)
- Blue (77%)



- Red (86%)
- Yellow (96%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (20%)
- Black (4%)



- Cyan (4%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0373, 0.3451, 0.3633 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 80.0373, 0.3451, 0.3633 by changing the saturation by 10% instead.

80.0373, 0.3451,
0.3633

80.0373, 0.3451,
0.3633

495.0585, 0.3304,
0.3477

59.7490, 0.3484,
0.3668

133.4182, 0.3401,
0.3580

43.2164, 0.3524,
0.3710

167.2796, 0.3381,
0.3559

30.0549, 0.3574,
0.3764

206.4342, 0.3364,
0.3540

19.8803, 0.3639,
0.3832

251.2663, 0.3349,
0.3525

12.3081, 0.3725,
0.3923

302.1604, 0.3335,
0.3511

6.9538, 0.3844,
0.4050

359.5009, 0.3324,

3.4332, 0.4017,

0.3498

0.4234

423.6722, 0.3313,
0.3487

■ 1.3619, 0.4597,
0.4848

■ 0.1884, 0.4841,
0.5159

■ 80.0373, 0.3451,
0.3633

■ 80.0373, 0.3451,
0.3633

■ 74.8445, 0.3638,
0.3816

■ 85.6065, 0.3278,
0.3454

■ 70.0061, 0.3837,
0.3996

■ 91.5519, 0.3121,
0.3283

■ 65.5139, 0.4043,
0.4165

■ 96.8506, 0.3066,
0.3270

■ 61.3548, 0.4248,
0.4314

■ 98.1528, 0.3066,
0.3290

■ 57.5148, 0.4444,
0.4430

■ 53.9779, 0.4621,
0.4502

■ 50.7258, 0.4769,
0.4525

■ 47.7304, 0.4886,
0.4500

■ 47.6170, 0.4890,
0.4499

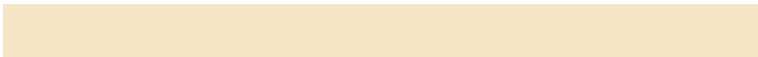
Harmonies

Analogous

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



80.0373, 0.3539, 0.3517



80.0373, 0.3451, 0.3633



80.0373, 0.3277, 0.3657

Triad

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



80.0373, 0.3451, 0.3633



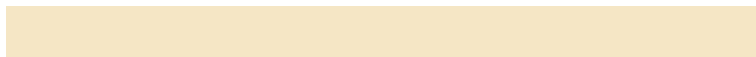
80.0373, 0.2756, 0.3211



80.0373, 0.3178, 0.3028

Complementary

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



80.0373, 0.3451, 0.3633



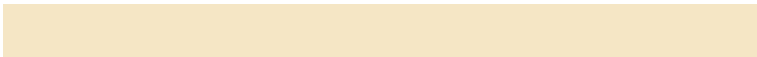
65.5226, 0.2811, 0.2922

Split Complementary

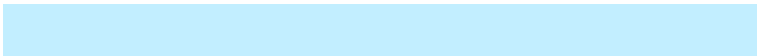
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0373, 0.2969, 0.2948



80.0373, 0.3451, 0.3633



80.0373, 0.2731, 0.3045

Square

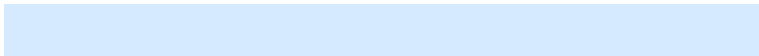
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0373, 0.3451, 0.3633



80.0373, 0.2877, 0.3407



80.0373, 0.2808, 0.2952



80.0373, 0.3379, 0.3172

Rectangle

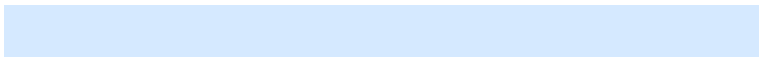
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0373, 0.3451, 0.3633



80.0373, 0.3137, 0.3613



80.0373, 0.2808, 0.2952



80.0373, 0.3106, 0.2993

Sweetspot

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



80.0409, 0.3451, 0.3633



96.0445, 0.3220, 0.3392



64.0906, 0.3396, 0.3131



20.4673, 0.3231, 0.3403



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.



80.0409, 0.3451, 0.3633



85.0792, 0.3532, 0.3714



87.2016, 0.3362, 0.3789



18.3900, 0.3276, 0.3452



25.9101, 0.4876, 0.4510



2.4601, 0.4769, 0.4595

Inverse Universe

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



65.5226, 0.2811, 0.2922



66.2012, 0.2733, 0.2826



59.5970, 0.2862, 0.2758



16.7705, 0.2980, 0.3122



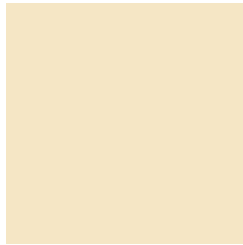
6.5874, 0.1618, 0.1025



0.7547, 0.1686, 0.1271

Previews

White Background



This preview shows how the Yxy color 80.0373, 0.3451, 0.3633 looks on a white background.

Color Contrast Check

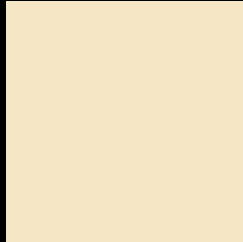
Large Text (above 18pt) WCAG AA × Fail

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 80.0373, 0.3451, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

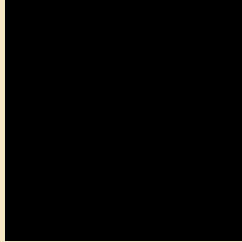
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0373, 0.3451, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 80.0373, 0.3451, 0.3633.

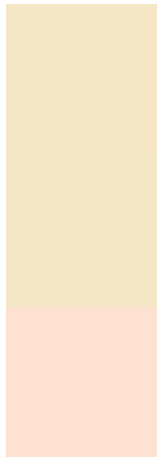


This preview shows how white text looks on a background with the Yxy color 80.0373, 0.3451, 0.3633.

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

80.0373, 0.3451, 0.3633

Protanopia

80.2377, 0.3434, 0.3644

Deuteranopia

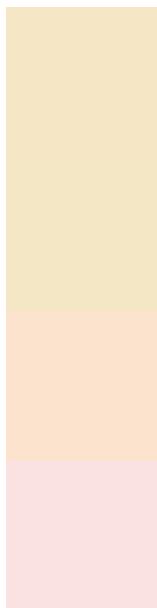
79.7636, 0.3444, 0.3442



Tritanopia

80.1714, 0.3205, 0.3121

Trichromacy



Original Color

80.0373, 0.3451, 0.3633

Protanomaly

80.4161, 0.3442, 0.3643

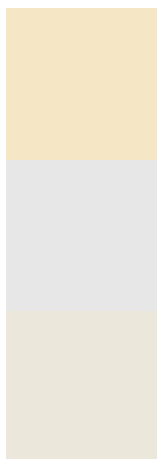
Deuteranomaly

79.8552, 0.3445, 0.3515

Tritanomaly

79.9687, 0.3296, 0.3301

Monochromacy



Original Color

80.0373, 0.3451, 0.3633

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0992, 0.3239, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0373, 0.3451, 0.3633 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(245, 230, 197)` looks like.

```
.text, #text, p{  
    color:rgb(245, 230, 197)  
}
```

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(245, 230, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 230, 197) }
```

Border

The CSS property to change the border of an element to Yxy 80.0373, 0.3451, 0.3633 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(245, 230, 197) }
```

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

```
.border{ border-color:rgb(245, 230, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 230, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 230, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 230, 197);  
box-shadow:4px 4px 4px 4px rgb(245, 230,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0373, 0.3451, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 230, 197) }
```

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

```
.background{ background-color: rgb(245,  
230, 197) }
```

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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