

Converting Colors

$Y_{xy}(81.2177, 0.3343, 0.3425)$

Have a look what the booklet for
Yxy(81.2177, 0.3343, 0.3425)
contains.

Yxy(80.9529, 0.3346, 0.3423)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.9529, 0.3346, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	F8E5D8
RGB	248, 229, 216
RGB Percent	97%, 90%, 85%
CMY	0.0273, 0.1020, 0.1530
CMYK	0.00, 0.08, 0.13, 0.03
HSL	24°, 70%, 91%
HSV	24°, 13%, 97%
XYZ	79.1319, 80.9529, 76.4122
YIQ	233.1990, 15.4970, -0.0150

Conversions

Conversions Part 2

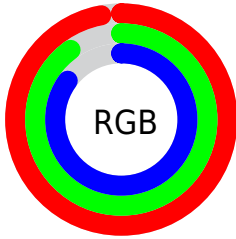
Format	Color
R_{YB}	248, 238, 216
Decimal	16311768
CIE _{Lab}	92.11, 4.38, 8.67
CIE _{LCh}	92, 9.709, 63.204
Yxy	80.9529, 0.3346, 0.3423
Android (android.graphics.Color)	4294501848 (0xFFF8E5D8)
YUV	233.1990, -8.4791, 12.9805
Hunter-Lab	89.9738, -0.4637, 12.6284

Details

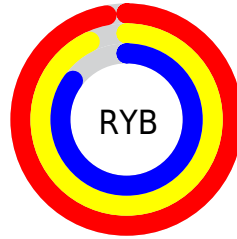
The Yxy color **80.9529, 0.3346, 0.3423** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.8061, 0.2926, 0.3153**, and the grayscale version is **81.7036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9217, 0.3393, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **71.9585, 0.3547, 0.3533**, and if you desaturate by 10%, it is **90.8401, 0.3173, 0.3319**.

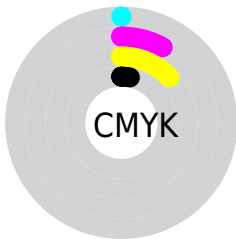
Distribution



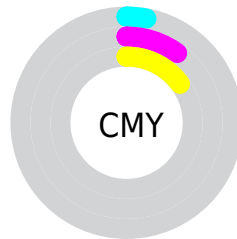
- Red (97%)
- Green (90%)
- Blue (85%)



- Red (97%)
- Yellow (93%)
- Blue (85%)



- Cyan (0%)
- Magenta (8%)
- Yellow (13%)
- Black (3%)





- Cyan (3%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9529, 0.3346, 0.3423 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 80.9529, 0.3346, 0.3423 by changing the saturation by 10% instead.


 80.9529, 0.3346,
0.3423

 80.9529, 0.3346,
0.3423


498.1384, 0.3246,
0.3363

 60.5028, 0.3368,
0.3436


134.7046, 0.3312,
0.3403

 43.8240, 0.3396,
0.3452


168.7751, 0.3298,
0.3395

 30.5322, 0.3431,
0.3472


208.1544, 0.3287,
0.3388

 20.2429, 0.3476,
0.3498

253.2270, 0.3276,
0.3382

 12.5717, 0.3536,
0.3532

304.3773, 0.3268,
0.3376

 7.1343, 0.3622,
0.3579

361.9897, 0.3260,

 3.5462, 0.3752,

0.3371

0.3649

426.4486, 0.3253,
0.3367

■ 1.4231, 0.3979,
0.3763

■ 0.2337, 0.5847,
0.4153

■ 80.9529, 0.3346,
0.3423

■ 80.9529, 0.3346,
0.3423

■ 71.9585, 0.3547,
0.3533

■ 90.8401, 0.3173,
0.3319

■ 63.8205, 0.3780,
0.3645

■ 98.7020, 0.3084,
0.3290

■ 56.5152, 0.4045,
0.3755

■ 50.0142, 0.4339,
0.3854

■ 44.2867, 0.4655,
0.3932

■ 39.3000, 0.4979,
0.3976

■ 35.0183, 0.5286,
0.3973

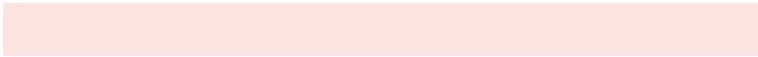
■ 31.4012, 0.5552,
0.3916

■ 29.2101, 0.5710,
0.3848

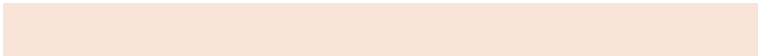
Harmonies

Analogous

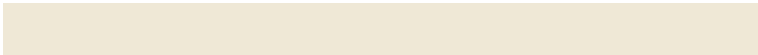
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9529, 0.3338, 0.3334



80.9529, 0.3346, 0.3423



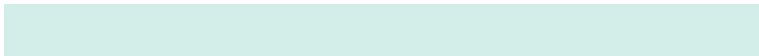
80.9529, 0.3295, 0.3479

Triad

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



80.9529, 0.3346, 0.3423



80.9529, 0.2984, 0.3344



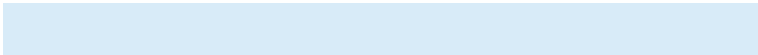
80.9529, 0.3053, 0.3105

Complementary

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



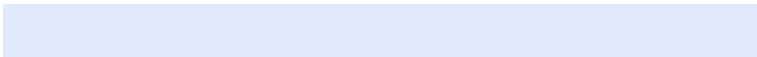
80.9529, 0.3346, 0.3423



80.8061, 0.2926, 0.3153

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.



80.9529, 0.2961, 0.3104



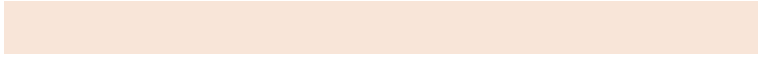
80.9529, 0.3346, 0.3423



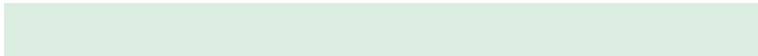
80.9529, 0.2921, 0.3240

Square

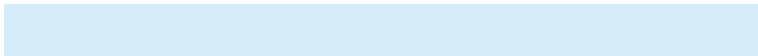
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9529, 0.3346, 0.3423



80.9529, 0.3085, 0.3434



80.9529, 0.2913, 0.3153



80.9529, 0.3167, 0.3153

Rectangle

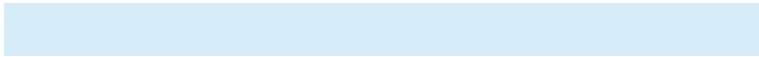
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9529, 0.3346, 0.3423



80.9529, 0.3234, 0.3488



80.9529, 0.2913, 0.3153



80.9529, 0.3019, 0.3099

Sweetspot

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



80.9565, 0.3346, 0.3423



95.5552, 0.3190, 0.3330



75.0789, 0.3229, 0.3096



20.2776, 0.3203, 0.3338



0.0000, 0.0000, 0.0000



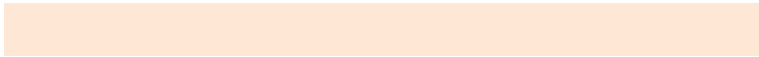
21.4041, 0.3127, 0.3290

Same Dimension

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



80.9565, 0.3346, 0.3423



83.1450, 0.3405, 0.3457



90.1192, 0.3325, 0.3579



18.3821, 0.3284, 0.3387



16.0335, 0.5682, 0.3870



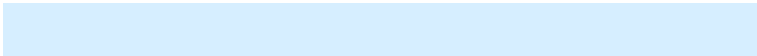
1.6871, 0.5466, 0.4042

Inverse Universe

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



80.8061, 0.2926, 0.3153



82.9496, 0.2877, 0.3118



72.1406, 0.2921, 0.2983



18.3575, 0.2980, 0.3191



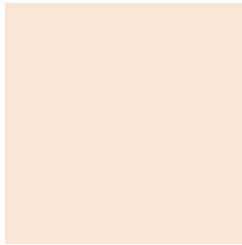
15.2699, 0.1861, 0.1900



1.6224, 0.1912, 0.2083

Previews

White Background



This preview shows how the Yxy color 80.9529, 0.3346, 0.3423 looks on a white background.

Color Contrast Check

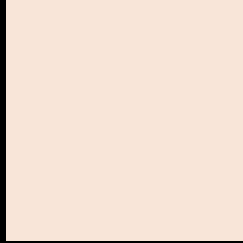
Large Text (above 18pt) WCAG AA × Fail

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 80.9529, 0.3346, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

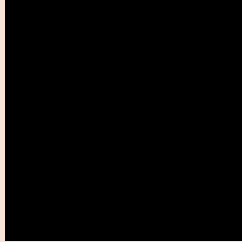
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

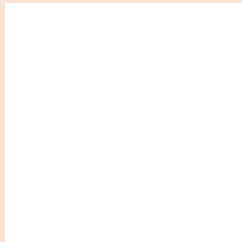
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9529, 0.3346, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 80.9529, 0.3346, 0.3423.

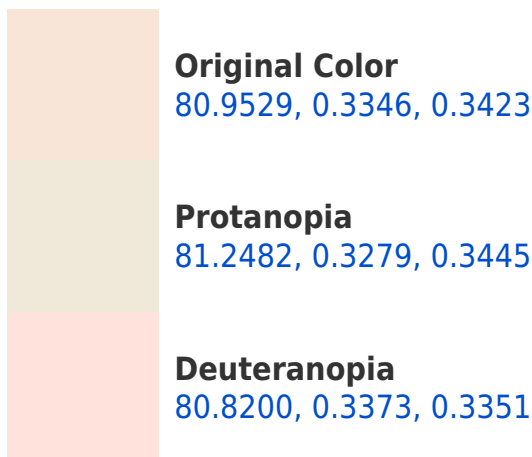


This preview shows how white text looks on a background with the Yxy color 80.9529, 0.3346, 0.3423.

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

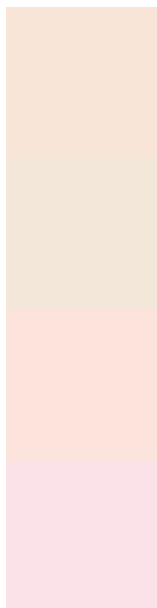




Tritanopia

81.0169, 0.3198, 0.3112

Trichromacy



Original Color

80.9529, 0.3346, 0.3423

Protanomaly

81.2163, 0.3301, 0.3434

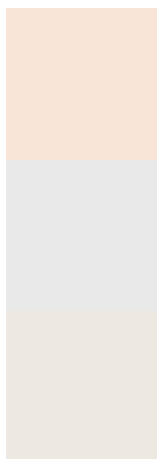
Deuteranomaly

80.7481, 0.3357, 0.3371

Tritanomaly

80.7851, 0.3256, 0.3220

Monochromacy



Original Color

80.9529, 0.3346, 0.3423

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4364, 0.3200, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9529, 0.3346, 0.3423 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(248, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(248, 229, 216)  
}
```

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(248, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 229, 216) }
```

Border

The CSS property to change the border of an element to Yxy 80.9529, 0.3346, 0.3423 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(248, 229, 216) }
```

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

```
.border{ border-color:rgb(248, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(248, 229,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9529, 0.3346, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 229, 216) }
```

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

```
.background{ background-color: rgb(248,  
229, 216) }
```

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