

Converting Colors

$Y_{xy}(100.0000, 0.3985, 0.3405)$

Have a look what the booklet for
Yxy(100.0000, 0.3985, 0.3405)
contains.

Yxy(81.6018, 0.3411, 0.3431)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.6018, 0.3411, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4D6
RGB	255, 228, 214
RGB Percent	100%, 89%, 84%
CMY	0.0000, 0.1059, 0.1607
CMYK	0.00, 0.11, 0.16, 0.00
HSL	20°, 100%, 92%
HSV	20°, 16%, 100%
XYZ	81.1261, 81.6018, 75.1089
YIQ	234.4770, 20.5860, 1.3700

Conversions

Conversions Part 2

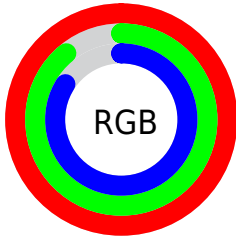
Format	Color
R _Y B	255, 235, 214
Decimal	16770262
CIE Lab	92.40, 7.05, 10.18
CIE LCh	92, 12.385, 55.280
Yxy	81.6018, 0.3411, 0.3431
Android (android.graphics.Color)	4294960342 (0xFFFFE4D6)
YUV	234.4770, -10.0952, 17.9987
Hunter-Lab	90.3337, 2.2217, 13.9363

Details

The Yxy color **81.6018, 0.3411, 0.3431** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.4450, 0.2877, 0.3145**, and the grayscale version is **82.7275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3961, 0.3478, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **71.6004, 0.3629, 0.3525**, and if you desaturate by 10%, it is **92.7088, 0.3226, 0.3342**.

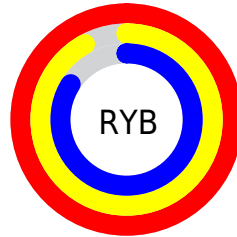
Distribution



Red (100%)

Green (89%)

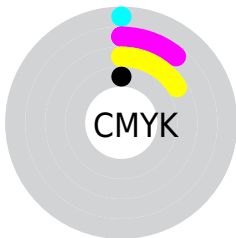
Blue (84%)



Red (100%)

Yellow (92%)

Blue (84%)

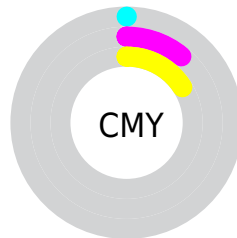


Cyan (0%)

Magenta (11%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6018, 0.3411, 0.3431 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 81.6018, 0.3411, 0.3431 by changing the saturation by 10% instead.


 81.6018, 0.3411,
0.3431

 81.6018, 0.3411,
0.3431


500.3148, 0.3282,
0.3369

 61.0374, 0.3440,
0.3445

135.6154, 0.3366,
0.3410

 44.2553, 0.3476,
0.3461


169.8334, 0.3349,
0.3401

 30.8713, 0.3521,
0.3482

209.3714, 0.3334,
0.3394

 20.5009, 0.3579,
0.3508

254.6138, 0.3321,
0.3388

 12.7596, 0.3657,
0.3542

305.9449, 0.3309,
0.3382

 7.2632, 0.3768,
0.3588

363.7492, 0.3299,

 3.6273, 0.3936,

0.3377

0.3654

428.4110, 0.3290,
0.3373

■ 1.4673, 0.4230,
0.3762

■ 0.2656, 0.6152,
0.3848

■ 81.6018, 0.3411,
0.3431

■ 81.6018, 0.3411,
0.3431

■ 71.6004, 0.3629,
0.3525

■ 92.7088, 0.3226,
0.3342

■ 62.6649, 0.3884,
0.3620

100.0000, 0.3127,
0.3290

■ 54.7601, 0.4176,
0.3711

■ 47.8468, 0.4503,
0.3788

■ 41.8830, 0.4854,
0.3842

■ 36.8236, 0.5208,
0.3859

■ 32.6189, 0.5534,
0.3827

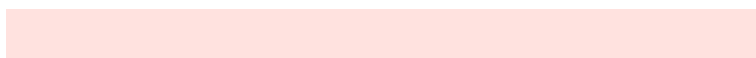
■ 29.2127, 0.5802,
0.3745

■ 28.0721, 0.5891,
0.3704

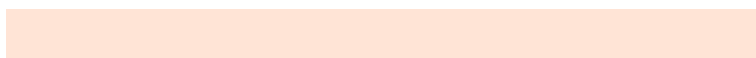
Harmonies

Analogous

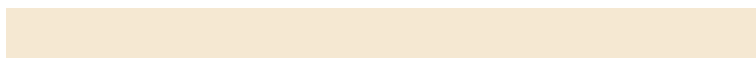
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6018, 0.3380, 0.3312



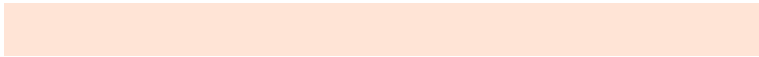
81.6018, 0.3411, 0.3431



81.6018, 0.3364, 0.3516

Triad

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



81.6018, 0.3411, 0.3431



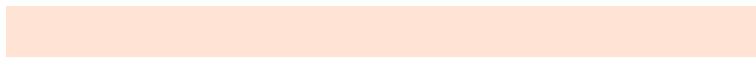
81.6018, 0.2975, 0.3392



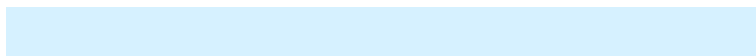
81.6018, 0.2998, 0.3049

Complementary

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



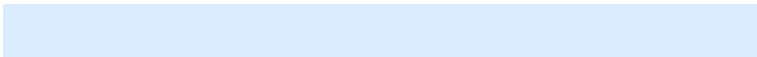
81.6018, 0.3411, 0.3431



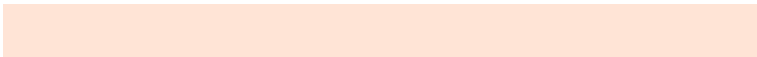
84.4450, 0.2877, 0.3145

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.



81.6018, 0.2894, 0.3064



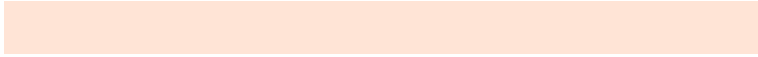
81.6018, 0.3411, 0.3431



81.6018, 0.2881, 0.3260

Square

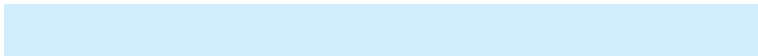
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6018, 0.3411, 0.3431



81.6018, 0.3111, 0.3497



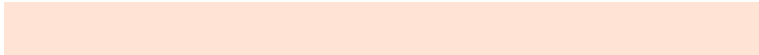
81.6018, 0.2851, 0.3140



81.6018, 0.3138, 0.3095

Rectangle

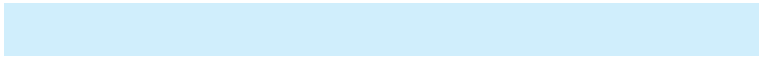
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6018, 0.3411, 0.3431



81.6018, 0.3296, 0.3541



81.6018, 0.2851, 0.3140



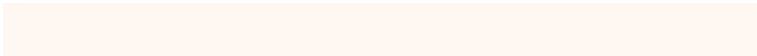
81.6018, 0.2957, 0.3047

Sweetspot

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



81.6034, 0.3411, 0.3431



93.9622, 0.3207, 0.3332



75.7371, 0.3239, 0.3020



19.9350, 0.3219, 0.3338



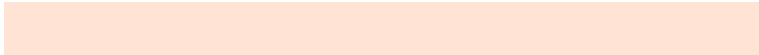
0.0000, 0.0000, 0.0000



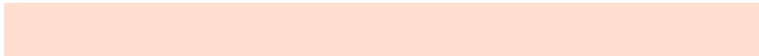
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6034, 0.3411, 0.3431



78.5584, 0.3471, 0.3458



93.3562, 0.3380, 0.3627



18.9997, 0.3286, 0.3372



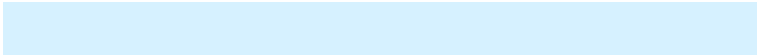
14.9159, 0.5861, 0.3728



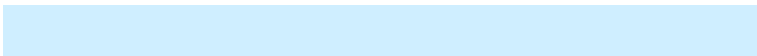
1.6457, 0.5643, 0.3902

Inverse Universe

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



84.4450, 0.2877, 0.3145



81.8467, 0.2831, 0.3116



73.1558, 0.2868, 0.2930



19.3768, 0.2980, 0.3207



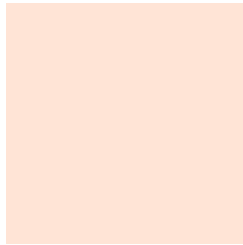
18.6994, 0.1925, 0.2131



2.0237, 0.1966, 0.2278

Previews

White Background



This preview shows how the Yxy color 81.6018, 0.3411, 0.3431 looks on a white background.

Color Contrast Check

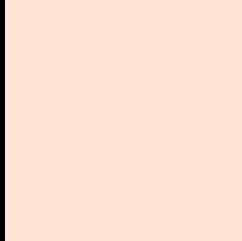
Large Text (above 18pt) WCAG AA × Fail

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 81.6018, 0.3411, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

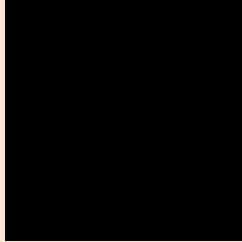
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6018, 0.3411, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 81.6018, 0.3411, 0.3431.

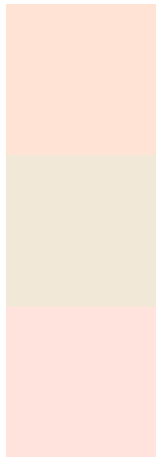


This preview shows how white text looks on a background with the Yxy color 81.6018, 0.3411, 0.3431.

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

81.6018, 0.3411, 0.3431

Protanopia

81.3719, 0.3292, 0.3456

Deuteranopia

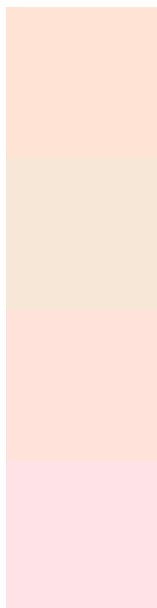
81.3655, 0.3372, 0.3361



Tritanopia

81.4017, 0.3239, 0.3143

Trichromacy



Original Color

81.6018, 0.3411, 0.3431

Protanomaly

81.6510, 0.3335, 0.3454

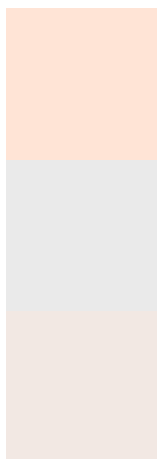
Deuteranomaly

81.2601, 0.3385, 0.3381

Tritanomaly

81.4222, 0.3298, 0.3241

Monochromacy



Original Color

81.6018, 0.3411, 0.3431

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.1365, 0.3228, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6018, 0.3411, 0.3431 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, 228, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 214)  
}
```

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, 228, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 214) }
```

Border

The CSS property to change the border of an element to Yxy 81.6018, 0.3411, 0.3431 is called "border". The border property can be set on classes, ids or directly on the HTML element.

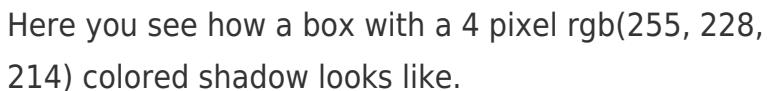
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 228, 214) }
```

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

```
.border{ border-color:rgb(255, 228, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 228, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 214); box-shadow:4px 4px 4px 4px rgb(255, 228, 214) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6018, 0.3411, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 214) }
```

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

```
.background{ background-color: rgb(255,  
228, 214) }
```

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