

Converting Colors

Yxy(91.8742, 0.3406, 0.4058)

Have a look what the booklet for
Yxy(91.8742, 0.3406, 0.4058)
contains.

| | |
|--|----|
| Yxy(91.8451, 0.3405, 0.4059) | 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(91.8451, 0.3405, 0.4059)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E7FFB5 |
| RGB | 231, 255, 181 |
| RGB Percent | 91%, 100%, 71% |
| CMY | 0.0943, 0.0000, 0.2902 |
| CMYK | 0.09, 0.00, 0.29, 0.00 |
| HSL | 79°, 100%, 85% |
| HSV | 79°, 29%, 100% |
| XYZ | 77.0467, 91.8451, 57.3834 |
| YIQ | 239.3880, 9.4500, -28.1020 |

Conversions

Conversions Part 2

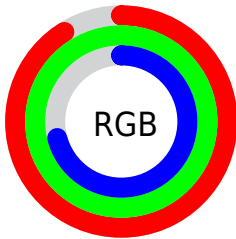
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 181, 255, 205 |
| Decimal | 15204277 |
| CIELab | 96.76, -19.82, 32.86 |
| CIELCh | 97, 38.373, 121.095 |
| Yxy | 91.8451, 0.3405, 0.4059 |
| Android (android.graphics.Color) | 4293394357 (0xFFE7FFB5) |
| YUV | 239.3880, -28.7853, -7.3563 |
| Hunter-Lab | 95.8358, -24.2086, 31.5842 |

Details

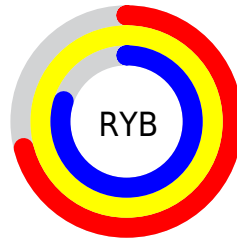
The Yxy color **91.8451, 0.3405, 0.4059** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.2536, 0.2783, 0.2480**, and the grayscale version is **86.8484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **51.0606, 0.3455, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **89.5408, 0.3492, 0.4340**, and if you desaturate by 10%, it is **94.3944, 0.3311, 0.3782**.

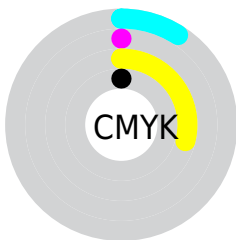
Distribution



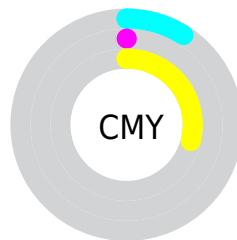
- Red (91%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (80%)



- Cyan (9%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8451, 0.3405, 0.4059 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 91.8451, 0.3405, 0.4059 by changing the saturation by 10% instead.

 91.8451, 0.3405,
0.4059

 91.8451, 0.3405,
0.4059


534.0148, 0.3290,
0.3708

 69.5120, 0.3428,
0.4137

 149.8987, 0.3368,
0.3938

 51.1288, 0.3455,
0.4233


186.3879, 0.3352,
0.3891

 36.3111, 0.3485,
0.4353


228.3647, 0.3339,
0.3850

 24.6746, 0.3521,
0.4506

276.2133, 0.3327,
0.3815

 15.8348, 0.3561,
0.4708

330.3183, 0.3316,
0.3783

 9.4073, 0.3603,
0.4983

391.0639, 0.3307,

 5.0078, 0.3631,

0.3755

0.5374

458.8346, 0.3298,
0.3730

■ 2.2518, 0.3765,
0.6235

■ 0.7480, 0.2330,
0.7670

■ 91.8451, 0.3405,
0.4059

■ 91.8451, 0.3405,
0.4059

■ 89.5408, 0.3492,
0.4340

■ 94.3944, 0.3311,
0.3782

■ 87.4878, 0.3568,
0.4615

■ 97.2170, 0.3214,
0.3516

■ 85.6679, 0.3627,
0.4872

100.0000, 0.3127,
0.3290

■ 84.0674, 0.3663,
0.5097

■ 82.6708, 0.3675,
0.5280

■ 81.4597, 0.3661,
0.5414

■ 80.4077, 0.3625,
0.5499

■ 80.3098, 0.3621,
0.5507

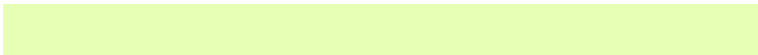
Harmonies

Analogous

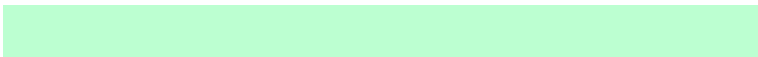
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8451, 0.3771, 0.3985



91.8451, 0.3405, 0.4059



91.8451, 0.2980, 0.3887

Triad

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



91.8451, 0.3405, 0.4059



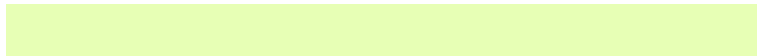
91.8451, 0.2348, 0.2776



91.8451, 0.3650, 0.3058

Complementary

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



91.8451, 0.3405, 0.4059



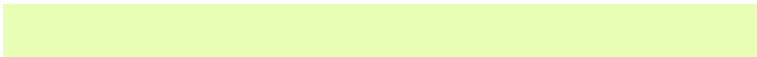
53.2536, 0.2783, 0.2480

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.



91.8451, 0.3233, 0.2783



91.8451, 0.3405, 0.4059



91.8451, 0.2497, 0.2615

Square

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



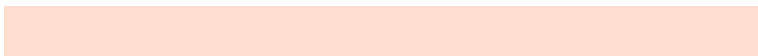
91.8451, 0.3405, 0.4059



91.8451, 0.2387, 0.3099



91.8451, 0.2812, 0.2624



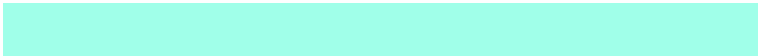
91.8451, 0.3927, 0.3395

Rectangle

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



91.8451, 0.3405, 0.4059



91.8451, 0.2722, 0.3654



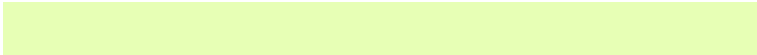
91.8451, 0.2812, 0.2624



91.8451, 0.3520, 0.2956

Sweetspot

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



91.8392, 0.3405, 0.4059



97.2225, 0.3214, 0.3515



67.9893, 0.3706, 0.3535



20.7181, 0.3228, 0.3553



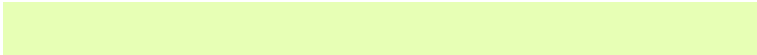
0.0000, 0.0000, 0.0000



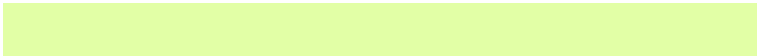
21.4041, 0.3127, 0.3290

Same Dimension

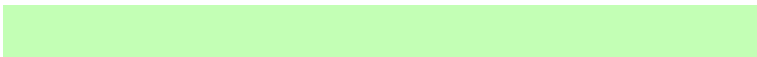
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8392, 0.3405, 0.4059



90.4342, 0.3458, 0.4227



86.4011, 0.3170, 0.4119



20.7777, 0.3219, 0.3528



42.0478, 0.3630, 0.5499



4.1532, 0.3696, 0.5448

Inverse Universe

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



53.2536, 0.2783, 0.2480



45.9692, 0.2695, 0.2291



59.0461, 0.3056, 0.2542



17.6642, 0.3030, 0.3048



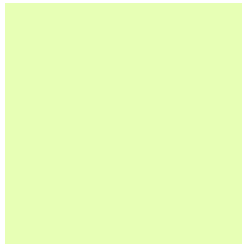
4.8007, 0.1732, 0.0728



0.5236, 0.1852, 0.0794

Previews

White Background



This preview shows how the Yxy color 91.8451, 0.3405, 0.4059 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 91.8451, 0.3405, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

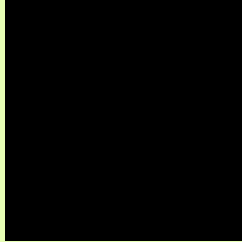
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

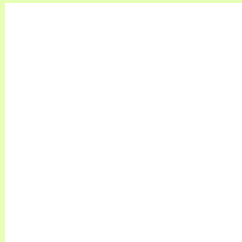
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.8451, 0.3405, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 91.8451, 0.3405, 0.4059.

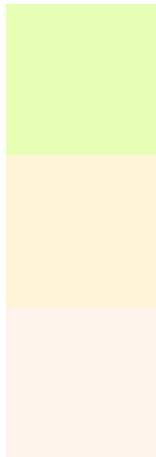


This preview shows how white text looks on a background with the Yxy color 91.8451, 0.3405, 0.4059.

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

91.8451, 0.3405, 0.4059

Protanopia

91.4199, 0.3385, 0.3597

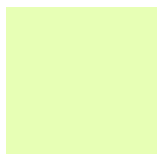
Deuteranopia

91.3593, 0.3255, 0.3368

Tritanopia

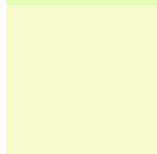
91.7579, 0.3062, 0.3192

Trichromacy



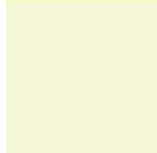
Original Color

91.8451, 0.3405, 0.4059



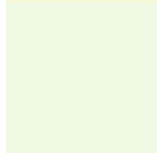
Protanomaly

91.6085, 0.3392, 0.3764



Deuteranomaly

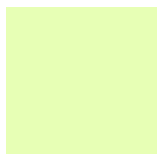
91.0207, 0.3315, 0.3612



Tritanomaly

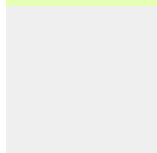
91.7035, 0.3188, 0.3502

Monochromacy



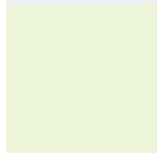
Original Color

91.8451, 0.3405, 0.4059



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.1996, 0.3232, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8451, 0.3405, 0.4059 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(231, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 181)  
}
```

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(231, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 91.8451, 0.3405, 0.4059 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(231, 255, 181) }
```

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

```
.border{ border-color:rgb(231, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8451, 0.3405, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 181) }
```

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

```
.background{ background-color: rgb(231,  
255, 181) }
```

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