

Converting Colors

$Y_{xy}(100.0000, 0.3385, 0.4176)$

Have a look what the booklet for
Yxy(100.0000, 0.3385, 0.4176)
contains.

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Color

Yxy(91.8042, 0.3411, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	E7FFB4
RGB	231, 255, 180
RGB Percent	91%, 100%, 71%
CMY	0.0941, 0.0000, 0.2940
CMYK	0.09, 0.00, 0.29, 0.00
HSL	79°, 100%, 85%
HSV	79°, 29%, 100%
XYZ	76.9585, 91.8042, 56.8559
YIQ	239.2740, 9.7710, -28.4130

Conversions

Conversions Part 2

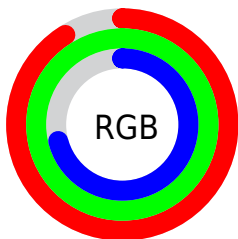
Format	Color
RYB	180, 255, 204
Decimal	15204276
CIELab	96.74, -19.92, 33.33
CIELCh	97, 38.828, 120.873
Yxy	91.8042, 0.3411, 0.4069
Android (android.graphics.Color)	4293394356 (0xFFE7FFB4)
YUV	239.2740, -29.2221, -7.2563
Hunter-Lab	95.8145, -24.3037, 31.8877

Details

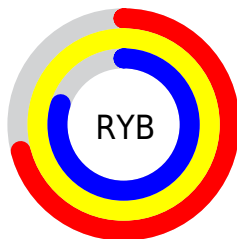
The Yxy color **91.8042, 0.3411, 0.4069** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7114, 0.2775, 0.2467**, and the grayscale version is **86.7726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **51.0344, 0.3462, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **89.5359, 0.3499, 0.4350**, and if you desaturate by 10%, it is **94.3339, 0.3316, 0.3792**.

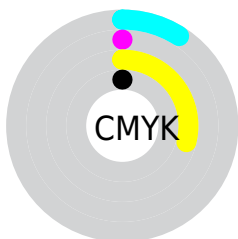
Distribution



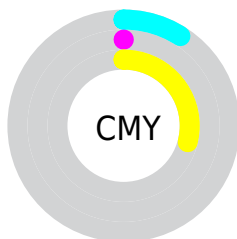
- Red (91%)
- Green (100%)
- Blue (71%)



- 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 91.8042, 0.3411, 0.4069 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 91.8042, 0.3411, 0.4069 by changing the saturation by 10% instead.


 91.8042, 0.3411,
0.4069

 91.8042, 0.3411,
0.4069


533.8825, 0.3293,
0.3713

 69.4780, 0.3434,
0.4148


 149.8420, 0.3373,
0.3947

 51.1011, 0.3462,
0.4246


186.3224, 0.3357,
0.3899

 36.2891, 0.3493,
0.4367


228.2896, 0.3344,
0.3858

 24.6575, 0.3529,
0.4522

276.1281, 0.3331,
0.3821

 15.8221, 0.3570,
0.4726

330.2223, 0.3320,
0.3789

 9.3983, 0.3612,
0.5003

390.9565, 0.3310,

 5.0019, 0.3639,

0.3761

0.5397

458.7151, 0.3301,
0.3736

■ 2.2484, 0.3758,
0.6242

■ 0.7462, 0.2300,
0.7700

■ 91.8042, 0.3411,
0.4069

■ 91.8042, 0.3411,
0.4069

■ 89.5359, 0.3499,
0.4350

■ 94.3339, 0.3316,
0.3792

■ 87.5073, 0.3575,
0.4623

■ 97.1252, 0.3218,
0.3526

■ 85.7094, 0.3633,
0.4878

100.0000, 0.3127,
0.3290

■ 84.1285, 0.3670,
0.5101

■ 82.7491, 0.3682,
0.5282

■ 81.5527, 0.3668,
0.5412

■ 80.5118, 0.3632,
0.5496

■ 80.4526, 0.3629,
0.5500

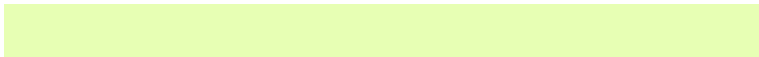
Harmonies

Analogous

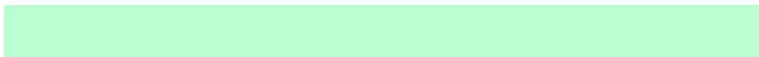
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8042, 0.3780, 0.3992



91.8042, 0.3411, 0.4069



91.8042, 0.2981, 0.3897

Triad

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



91.8042, 0.3411, 0.4069



91.8042, 0.2339, 0.2772



91.8042, 0.3654, 0.3053

Complementary

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



91.8042, 0.3411, 0.4069



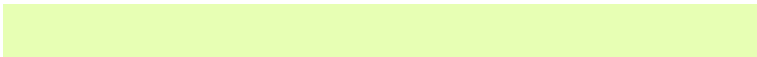
52.7114, 0.2775, 0.2467

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.



91.8042, 0.3231, 0.2776



91.8042, 0.3411, 0.4069



91.8042, 0.2488, 0.2608

Square

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



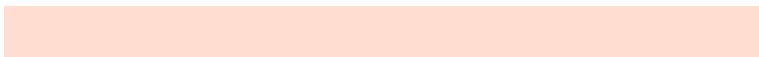
91.8042, 0.3411, 0.4069



91.8042, 0.2380, 0.3099



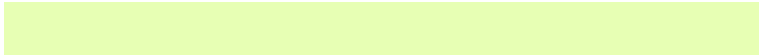
91.8042, 0.2805, 0.2616



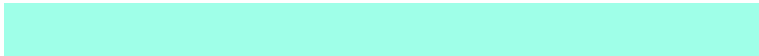
91.8042, 0.3935, 0.3393

Rectangle

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



91.8042, 0.3411, 0.4069



91.8042, 0.2720, 0.3661



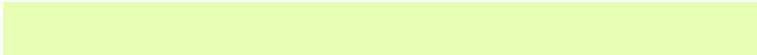
91.8042, 0.2805, 0.2616



91.8042, 0.3522, 0.2950

Sweetspot

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



91.8077, 0.3411, 0.4069



97.2431, 0.3215, 0.3515



67.6314, 0.3715, 0.3538



20.7231, 0.3229, 0.3553



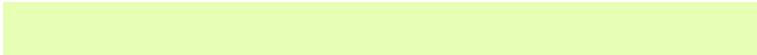
0.0000, 0.0000, 0.0000



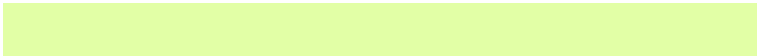
21.4041, 0.3127, 0.3290

Same Dimension

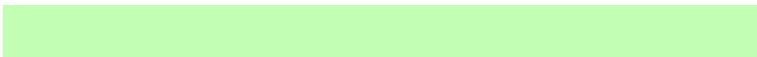
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8077, 0.3411, 0.4069



90.5053, 0.3461, 0.4226



86.2553, 0.3170, 0.4131



20.7824, 0.3219, 0.3528



42.1219, 0.3639, 0.5493



4.1600, 0.3703, 0.5442

Inverse Universe

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



52.7114, 0.2775, 0.2467



45.9109, 0.2692, 0.2290



58.6182, 0.3055, 0.2532



17.6597, 0.3029, 0.3048



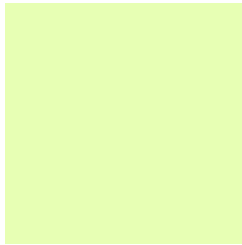
4.7705, 0.1725, 0.0724



0.5202, 0.1845, 0.0790

Previews

White Background



This preview shows how the Yxy color 91.8042, 0.3411, 0.4069 looks on a white background.

Color Contrast Check

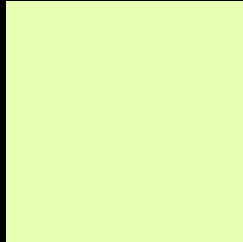
Large Text (above 18pt) WCAG AA × Fail

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 91.8042, 0.3411, 0.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

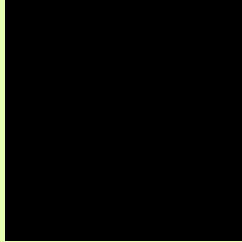
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

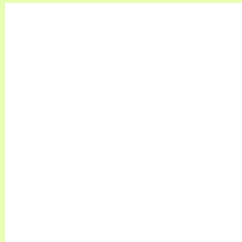
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.8042, 0.3411, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 91.8042, 0.3411, 0.4069.

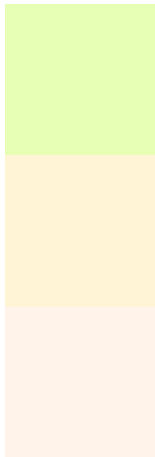


This preview shows how white text looks on a background with the Yxy color 91.8042, 0.3411, 0.4069.

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

91.8042, 0.3411, 0.4069

Protanopia

91.4199, 0.3385, 0.3597

Deuteranopia

91.3017, 0.3261, 0.3378

Tritanopia

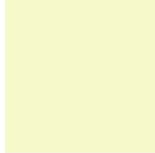
91.7579, 0.3062, 0.3192

Trichromacy



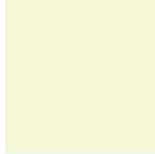
Original Color

91.8042, 0.3411, 0.4069



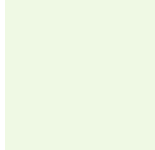
Protanomaly

91.6085, 0.3392, 0.3764



Deuteranomaly

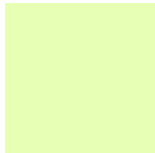
90.9694, 0.3321, 0.3622



Tritanomaly

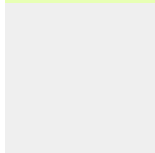
91.7035, 0.3188, 0.3502

Monochromacy



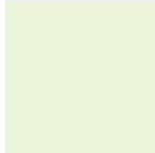
Original Color

91.8042, 0.3411, 0.4069



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 91.8042, 0.3411, 0.4069 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 91.8042, 0.3411, 0.4069 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, 180) }
```

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

```
.border{ border-color:rgb(231, 255, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8042, 0.3411, 0.4069 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, 180) }
```

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

```
.background{ background-color: rgb(231,  
255, 180) }
```

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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