

Converting Colors

$Y_{xy}(100.0000, 0.3451, 0.4250)$

Have a look what the booklet for
Yxy(100.0000, 0.3451, 0.4250)
contains.

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Color

Yxy(91.9910, 0.3477, 0.4147)

Conversions

Conversions Part 1

Format	Color
Hex	EAFFAC
RGB	234, 255, 172
RGB Percent	92%, 100%, 67%
CMY	0.0825, 0.0000, 0.3256
CMYK	0.08, 0.00, 0.33, 0.00
HSL	75°, 100%, 84%
HSV	75°, 33%, 100%
XYZ	77.1287, 91.9910, 52.7057
YIQ	239.2590, 14.1270, -30.2650

Conversions

Conversions Part 2

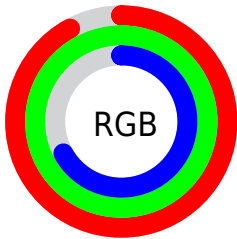
Format	Color
RYB	172, 255, 193
Decimal	15400876
CIELab	96.82, -19.91, 37.48
CIELCh	97, 42.437, 117.980
Yxy	91.9910, 0.3477, 0.4147
Android (android.graphics.Color)	4293590956 (0xFFEAFAC)
YUV	239.2590, -33.1587, -4.6121
Hunter-Lab	95.9119, -24.3030, 34.5572

Details

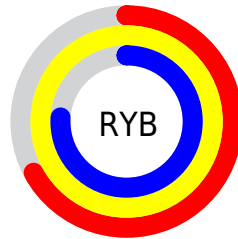
The Yxy color **91.9910, 0.3477, 0.4147** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.0524, 0.2688, 0.2357**, and the grayscale version is **86.7736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **51.0672, 0.3535, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **90.0244, 0.3574, 0.4418**, and if you desaturate by 10%, it is **94.1735, 0.3372, 0.3874**.

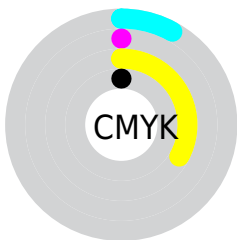
Distribution



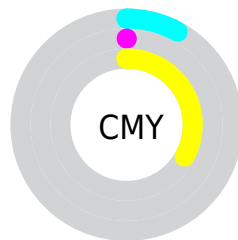
- Red (92%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.9910, 0.3477, 0.4147 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 91.9910, 0.3477, 0.4147 by changing the saturation by 10% instead.


 91.9910, 0.3477,
0.4147

 91.9910, 0.3477,
0.4147

534.4864, 0.3332,
0.3757

 69.6332, 0.3506,
0.4234


 150.1009, 0.3430,
0.4013

 51.2275, 0.3539,
0.4339


186.6218, 0.3411,
0.3961

 36.3897, 0.3577,
0.4470


228.6324, 0.3394,
0.3915

 24.7353, 0.3620,
0.4637

276.5173, 0.3379,
0.3876

 15.8800, 0.3668,
0.4854

330.6607, 0.3365,
0.3841

 9.4393, 0.3715,
0.5144

391.4471, 0.3353,

 5.0288, 0.3756,

0.3809

0.5566

459.2609, 0.3342,
0.3782

■ 2.2642, 0.3762,
0.6238

■ 0.7546, 0.2345,
0.7655

■ 91.9910, 0.3477,
0.4147

■ 91.9910, 0.3477,
0.4147

■ 90.0244, 0.3574,
0.4418

■ 94.1735, 0.3372,
0.3874

■ 88.2804, 0.3657,
0.4676

■ 96.6001, 0.3263,
0.3607

■ 86.7408, 0.3721,
0.4909

■ 99.2745, 0.3155,
0.3353

■ 85.3916, 0.3761,
0.5105

100.0000, 0.3127,
0.3290

■ 84.2172, 0.3776,
0.5257

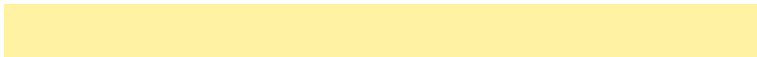
■ 83.1983, 0.3765,
0.5360

■ 82.5206, 0.3743,
0.5410

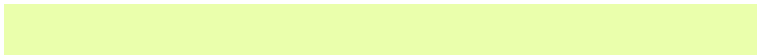
Harmonies

Analogous

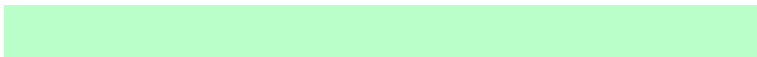
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9910, 0.3868, 0.4032



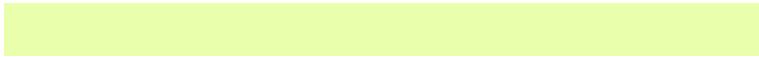
91.9910, 0.3477, 0.4147



91.9910, 0.3010, 0.3988

Triad

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



91.9910, 0.3477, 0.4147



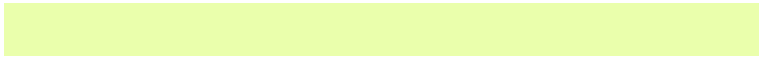
91.9910, 0.2268, 0.2750



91.9910, 0.3662, 0.2998

Complementary

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



91.9910, 0.3477, 0.4147



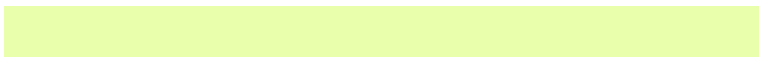
48.0524, 0.2688, 0.2357

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.



91.9910, 0.3191, 0.2710



91.9910, 0.3477, 0.4147



91.9910, 0.2409, 0.2558

Square

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



91.9910, 0.3477, 0.4147



91.9910, 0.2331, 0.3119



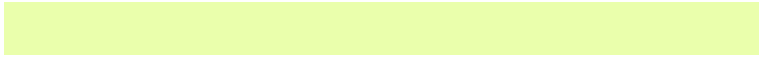
91.9910, 0.2735, 0.2551



91.9910, 0.3992, 0.3361

Rectangle

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



91.9910, 0.3477, 0.4147



91.9910, 0.2719, 0.3739



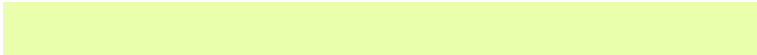
91.9910, 0.2735, 0.2551



91.9910, 0.3513, 0.2891

Sweetspot

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



91.9851, 0.3477, 0.4147



97.2607, 0.3235, 0.3540



62.2580, 0.3816, 0.3509



20.7397, 0.3250, 0.3577



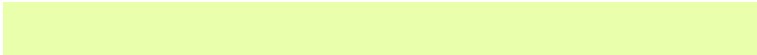
0.0000, 0.0000, 0.0000



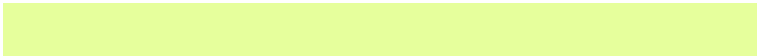
21.4041, 0.3127, 0.3290

Same Dimension

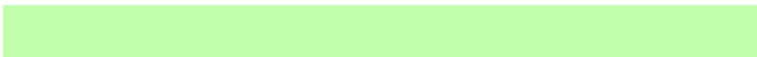
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.9851, 0.3477, 0.4147



90.6969, 0.3541, 0.4322



85.7995, 0.3207, 0.4225



20.8456, 0.3230, 0.3528



43.1935, 0.3751, 0.5404



4.2574, 0.3803, 0.5362

Inverse Universe

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



48.0524, 0.2688, 0.2357



40.6383, 0.2580, 0.2146



54.2484, 0.3001, 0.2437



17.6000, 0.3018, 0.3047



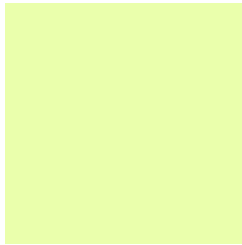
4.4117, 0.1647, 0.0681



0.4788, 0.1756, 0.0741

Previews

White Background



This preview shows how the Yxy color 91.9910, 0.3477, 0.4147 looks on a white background.

Color Contrast Check

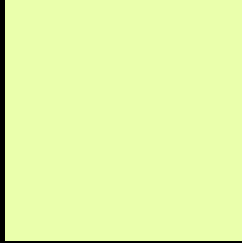
Large Text (above 18pt) WCAG AA × Fail

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 91.9910, 0.3477, 0.4147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

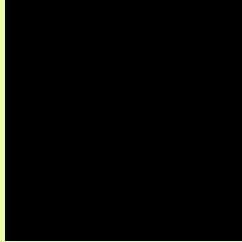
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

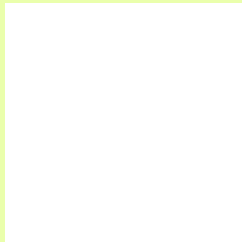
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.9910, 0.3477, 0.4147

Background



This preview shows how black text looks on a background with the Yxy color 91.9910, 0.3477, 0.4147.

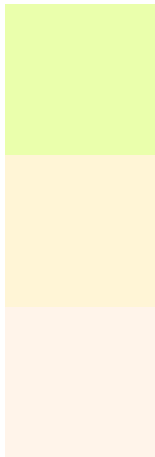


This preview shows how white text looks on a background with the Yxy color 91.9910, 0.3477, 0.4147.

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

91.9910, 0.3477, 0.4147

Protanopia

91.4199, 0.3385, 0.3597

Deuteranopia

91.9019, 0.3260, 0.3388

Tritanopia

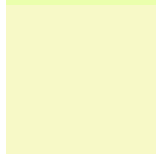
92.1176, 0.3074, 0.3193

Trichromacy



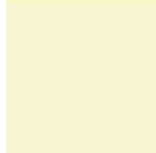
Original Color

91.9910, 0.3477, 0.4147



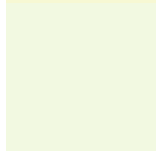
Protanomaly

91.6490, 0.3417, 0.3794



Deuteranomaly

91.6121, 0.3345, 0.3662



Tritanomaly

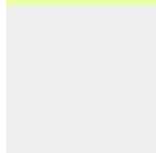
92.0649, 0.3225, 0.3531

Monochromacy



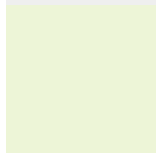
Original Color

91.9910, 0.3477, 0.4147



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.2156, 0.3257, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.9910, 0.3477, 0.4147 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(234, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 172)  
}
```

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(234, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 91.9910, 0.3477, 0.4147 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(234, 255, 172) }
```

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

```
.border{ border-color:rgb(234, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 91.9910, 0.3477, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 172) }
```

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

```
.background{ background-color: rgb(234,  
255, 172) }
```

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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