

Converting Colors

$Y_{xy}(100.0000, 0.3386, 0.4281)$

Have a look what the booklet for
Yxy(100.0000, 0.3386, 0.4281)
contains.

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Color

Yxy(90.5447, 0.3411, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFAD
RGB	225, 255, 173
RGB Percent	88%, 100%, 68%
CMY	0.1177, 0.0000, 0.3217
CMYK	0.12, 0.00, 0.32, 0.00
HSL	82°, 100%, 84%
HSV	82°, 32%, 100%
XYZ	74.3495, 90.5447, 53.0757
YIQ	236.6820, 8.4420, -31.8620

Conversions

Conversions Part 2

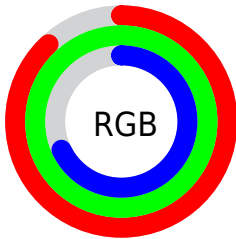
Format	Color
RYB	173, 255, 203
Decimal	14811053
CIELab	96.22, -23.02, 36.09
CIELCh	96, 42.802, 122.533
Yxy	90.5447, 0.3411, 0.4154
Android (android.graphics.Color)	4293001133 (0xFFE1FFAD)
YUV	236.6820, -31.3952, -10.2451
Hunter-Lab	95.1550, -27.0499, 33.5376

Details

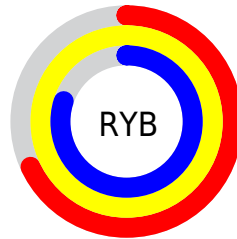
The Yxy color **90.5447, 0.3411, 0.4154** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.7878, 0.2762, 0.2387**, and the grayscale version is **84.6663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **50.1792, 0.3459, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **88.1891, 0.3488, 0.4440**, and if you desaturate by 10%, it is **93.1655, 0.3326, 0.3871**.

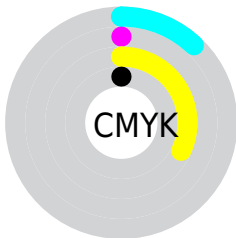
Distribution



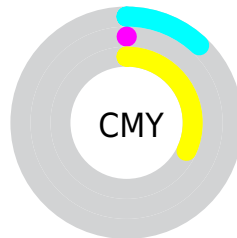
- Red (88%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (80%)



- Cyan (12%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5447, 0.3411, 0.4154 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 90.5447, 0.3411, 0.4154 by changing the saturation by 10% instead.

 90.5447, 0.3411,
0.4154

 90.5447, 0.3411,
0.4154


529.8011, 0.3295,
0.3757

 68.4325, 0.3433,
0.4243

 148.0948, 0.3374,
0.4017

 50.2497, 0.3459,
0.4352


184.3014, 0.3359,
0.3964

 35.6118, 0.3487,
0.4488


225.9751, 0.3345,
0.3918

 24.1346, 0.3519,
0.4662

273.5000, 0.3333,
0.3877

 15.4335, 0.3552,
0.4891

327.2607, 0.3322,
0.3842

 9.1242, 0.3578,
0.5203

387.6415, 0.3312,

 4.8223, 0.3588,

0.3810

0.5663

455.0269, 0.3304,
0.3782

■ 2.1434, 0.3556,
0.6444

■ 0.6888, 0.1187,
0.8813

■ 90.5447, 0.3411,
0.4154

■ 90.5447, 0.3411,
0.4154

■ 88.1891, 0.3488,
0.4440

■ 93.1655, 0.3326,
0.3871

■ 86.0943, 0.3551,
0.4717

■ 96.0703, 0.3236,
0.3599

■ 84.2446, 0.3596,
0.4973

■ 99.2670, 0.3146,
0.3343

■ 82.6253, 0.3619,
0.5195

100.0000, 0.3127,
0.3290

■ 81.2197, 0.3616,
0.5371

■ 80.0081, 0.3589,
0.5495

■ 79.1721, 0.3554,
0.5560

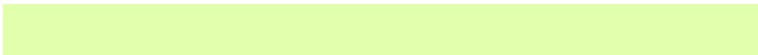
Harmonies

Analogous

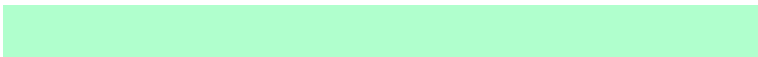
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5447, 0.3828, 0.4075



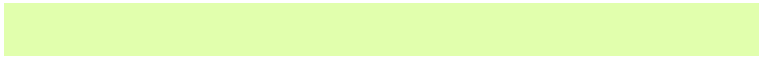
90.5447, 0.3411, 0.4154



90.5447, 0.2937, 0.3949

Triad

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



90.5447, 0.3411, 0.4154



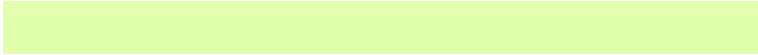
90.5447, 0.2265, 0.2701



90.5447, 0.3733, 0.3046

Complementary

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



90.5447, 0.3411, 0.4154



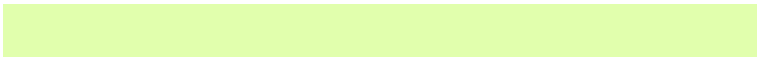
49.7878, 0.2762, 0.2387

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.



90.5447, 0.3267, 0.2740



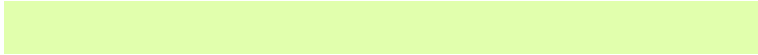
90.5447, 0.3411, 0.4154



90.5447, 0.2439, 0.2536

Square

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



90.5447, 0.3411, 0.4154



90.5447, 0.2297, 0.3050



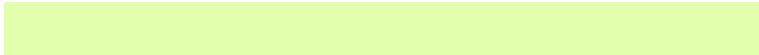
90.5447, 0.2794, 0.2557



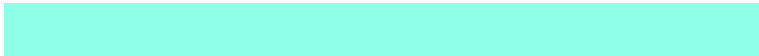
90.5447, 0.4034, 0.3420

Rectangle

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



90.5447, 0.3411, 0.4154



90.5447, 0.2654, 0.3678



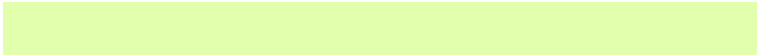
90.5447, 0.2794, 0.2557



90.5447, 0.3589, 0.2934

Sweetspot

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



90.5422, 0.3411, 0.4154



96.7387, 0.3217, 0.3542



66.3664, 0.3778, 0.3590



20.6130, 0.3229, 0.3579



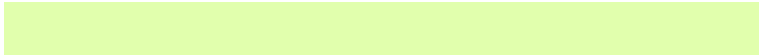
0.0000, 0.0000, 0.0000



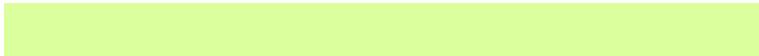
21.4041, 0.3127, 0.3290

Same Dimension

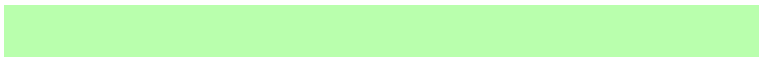
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5422, 0.3411, 0.4154



88.9064, 0.3465, 0.4349



84.8841, 0.3156, 0.4227



20.7391, 0.3212, 0.3529



41.4567, 0.3564, 0.5552



4.0984, 0.3635, 0.5495

Inverse Universe

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



49.7878, 0.2762, 0.2387



42.0434, 0.2664, 0.2171



56.0952, 0.3067, 0.2464



17.7012, 0.3036, 0.3048



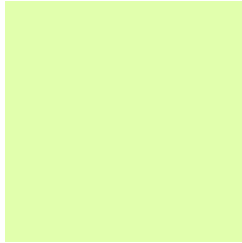
5.0732, 0.1789, 0.0759



0.5533, 0.1913, 0.0828

Previews

White Background



This preview shows how the Yxy color 90.5447, 0.3411, 0.4154 looks on a white background.

Color Contrast Check

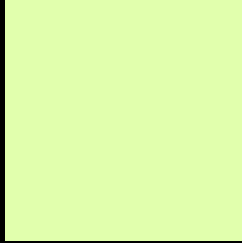
Large Text (above 18pt) WCAG AA × Fail

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 90.5447, 0.3411, 0.4154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

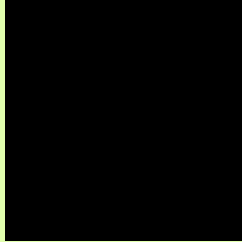
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

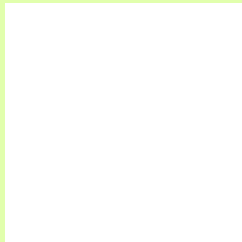
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5447, 0.3411, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 90.5447, 0.3411, 0.4154.

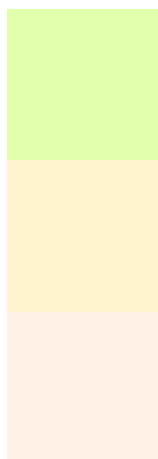


This preview shows how white text looks on a background with the Yxy color 90.5447, 0.3411, 0.4154.

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

90.5447, 0.3411, 0.4154

Protanopia

90.3691, 0.3443, 0.3678

Deuteranopia

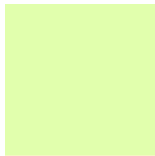
89.8838, 0.3289, 0.3398



Tritanopia

90.4466, 0.3037, 0.3181

Trichromacy



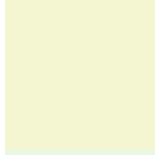
Original Color

90.5447, 0.3411, 0.4154



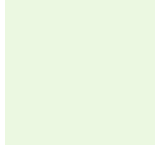
Protanomaly

90.2182, 0.3435, 0.3850



Deuteranomaly

89.7481, 0.3340, 0.3665



Tritanomaly

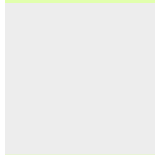
90.2332, 0.3180, 0.3525

Monochromacy



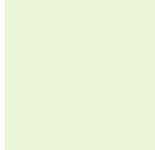
Original Color

90.5447, 0.3411, 0.4154



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8800, 0.3237, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5447, 0.3411, 0.4154 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(225, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 173)  
}
```

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(225, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 173) }
```

Border

The CSS property to change the border of an element to Yxy 90.5447, 0.3411, 0.4154 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(225, 255, 173) }
```

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

```
.border{ border-color:rgb(225, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5447, 0.3411, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 173) }
```

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

```
.background{ background-color: rgb(225,  
255, 173) }
```

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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