

Converting Colors

$Y_{xy}(91.0273, 0.3410, 0.4119)$

Have a look what the booklet for
Yxy(91.0273, 0.3410, 0.4119)
contains.

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Color

Yxy(90.9855, 0.3407, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFB0
RGB	227, 255, 176
RGB Percent	89%, 100%, 69%
CMY	0.1098, 0.0000, 0.3097
CMYK	0.11, 0.00, 0.31, 0.00
HSL	81°, 100%, 85%
HSV	81°, 31%, 100%
XYZ	75.2763, 90.9855, 54.6841
YIQ	237.6220, 8.6710, -30.5050

Conversions

Conversions Part 2

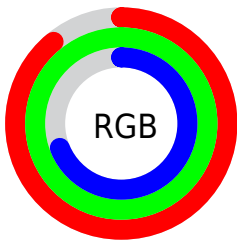
Format	Color
RYB	176, 255, 204
Decimal	14942128
CIELab	96.40, -21.90, 34.82
CIElCh	96, 41.136, 122.159
Yxy	90.9855, 0.3407, 0.4118
Android (android.graphics.Color)	4293132208 (0xFFE3FFB0)
YUV	237.6220, -30.3796, -9.3155
Hunter-Lab	95.3863, -26.0588, 32.7800

Details

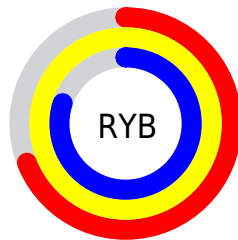
The Yxy color **90.9855, 0.3407, 0.4118** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.1257, 0.2772, 0.2423**, and the grayscale version is **85.4278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **50.4762, 0.3456, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **88.6373, 0.3487, 0.4403**, and if you desaturate by 10%, it is **93.6016, 0.3319, 0.3837**.

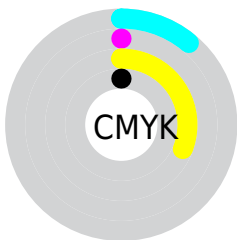
Distribution



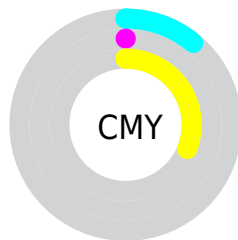
- Red (89%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (80%)



- Cyan (11%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9855, 0.3407, 0.4118 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 90.9855, 0.3407, 0.4118 by changing the saturation by 10% instead.


 90.9855, 0.3407,
0.4118

 90.9855, 0.3407,
0.4118


531.2315, 0.3292,
0.3738

 68.7983, 0.3429,
0.4203


 148.7065, 0.3370,
0.3987

 50.5475, 0.3455,
0.4307


185.0092, 0.3355,
0.3936

 35.8486, 0.3485,
0.4437


226.7857, 0.3342,
0.3892

 24.3173, 0.3518,
0.4603

274.4207, 0.3330,
0.3853

 15.5691, 0.3553,
0.4823

328.2983, 0.3319,
0.3820

 9.2198, 0.3585,
0.5121

388.8030, 0.3309,

 4.8848, 0.3598,

0.3789

0.5552

456.3193, 0.3300,
0.3762

■ 2.1798, 0.3630,
0.6370

■ 0.7090, 0.1643,
0.8357

■ 90.9855, 0.3407,
0.4118

■ 90.9855, 0.3407,
0.4118

■ 88.6373, 0.3487,
0.4403

■ 93.6016, 0.3319,
0.3837

■ 86.5436, 0.3554,
0.4680

■ 96.4950, 0.3228,
0.3567

■ 84.6921, 0.3604,
0.4937

■ 99.6764, 0.3136,
0.3314

■ 83.0683, 0.3631,
0.5161

■ 100.0000, 0.3127,
0.3290

■ 81.6562, 0.3633,
0.5341

■ 80.4363, 0.3610,
0.5469

■ 79.4733, 0.3572,
0.5546

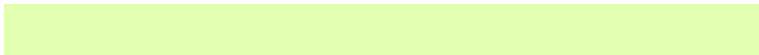
Harmonies

Analogous

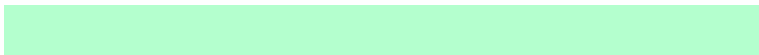
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9855, 0.3805, 0.4042



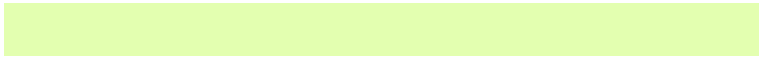
90.9855, 0.3407, 0.4118



90.9855, 0.2951, 0.3924

Triad

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



90.9855, 0.3407, 0.4118



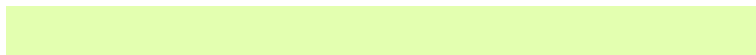
90.9855, 0.2296, 0.2728



90.9855, 0.3704, 0.3052

Complementary

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



90.9855, 0.3407, 0.4118



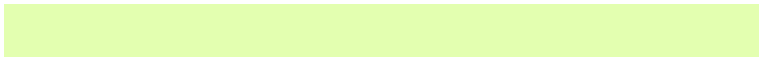
51.1257, 0.2772, 0.2423

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.



90.9855, 0.3256, 0.2757



90.9855, 0.3407, 0.4118



90.9855, 0.2461, 0.2565

Square

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



90.9855, 0.3407, 0.4118



90.9855, 0.2330, 0.3067



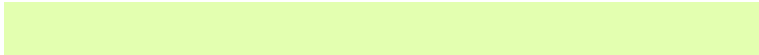
90.9855, 0.2802, 0.2582



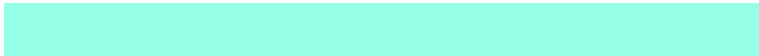
90.9855, 0.3994, 0.3412

Rectangle

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



90.9855, 0.3407, 0.4118



90.9855, 0.2678, 0.3667



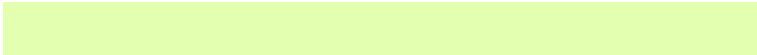
90.9855, 0.2802, 0.2582



90.9855, 0.3565, 0.2944

Sweetspot

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



90.9860, 0.3407, 0.4118



97.0980, 0.3209, 0.3516



67.4253, 0.3747, 0.3579



20.6873, 0.3223, 0.3553



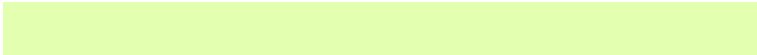
0.0000, 0.0000, 0.0000



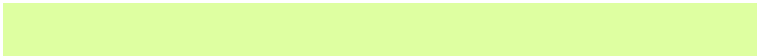
21.4041, 0.3127, 0.3290

Same Dimension

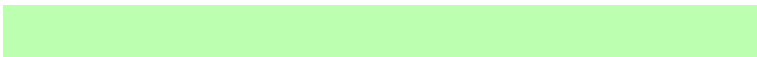
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9860, 0.3407, 0.4118



89.5381, 0.3457, 0.4290



85.3316, 0.3155, 0.4187



20.7496, 0.3214, 0.3529



41.6133, 0.3582, 0.5538



4.1130, 0.3652, 0.5483

Inverse Universe

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



51.1257, 0.2772, 0.2423



44.0714, 0.2685, 0.2233



57.3655, 0.3070, 0.2495



17.6911, 0.3034, 0.3048



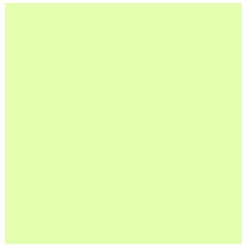
4.9952, 0.1773, 0.0750



0.5449, 0.1896, 0.0818

Previews

White Background



This preview shows how the Yxy color 90.9855, 0.3407, 0.4118 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 90.9855, 0.3407, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

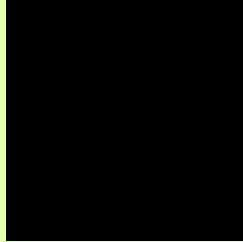
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

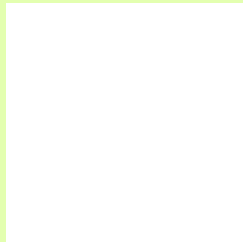
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9855, 0.3407, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 90.9855, 0.3407, 0.4118.

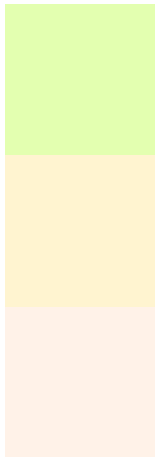


This preview shows how white text looks on a background with the Yxy color 90.9855, 0.3407, 0.4118.

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

90.9855, 0.3407, 0.4118

Protanopia

90.5154, 0.3424, 0.3647

Deuteranopia

90.5905, 0.3275, 0.3388



Tritanopia

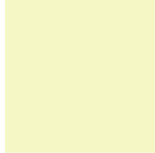
90.6221, 0.3043, 0.3182

Trichromacy



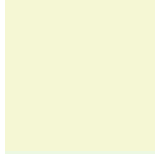
Original Color

90.9855, 0.3407, 0.4118



Protanomaly

90.5328, 0.3424, 0.3818



Deuteranomaly

90.6875, 0.3326, 0.3643



Tritanomaly

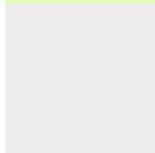
90.4587, 0.3181, 0.3514

Monochromacy



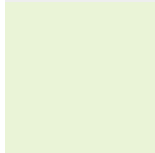
Original Color

90.9855, 0.3407, 0.4118



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.1001, 0.3238, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9855, 0.3407, 0.4118 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(227, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 176)  
}
```

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(227, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 90.9855, 0.3407, 0.4118 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(227, 255, 176) }
```

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

```
.border{ border-color:rgb(227, 255, 176) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9855, 0.3407, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 176) }
```

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

```
.background{ background-color: rgb(227,  
255, 176) }
```

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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