

Converting Colors

$Yxy(90.1209, 0.3445, 0.4231)$

Have a look what the booklet for
Yxy(90.1209, 0.3445, 0.4231)
contains.

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Color

Yxy(90.1205, 0.3443, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFA6
RGB	224, 255, 166
RGB Percent	88%, 100%, 65%
CMY	0.1218, 0.0000, 0.3490
CMYK	0.12, 0.00, 0.35, 0.00
HSL	81°, 100%, 83%
HSV	81°, 35%, 100%
XYZ	73.3707, 90.1205, 49.6100
YIQ	235.5850, 10.0930, -34.2510

Conversions

Conversions Part 2

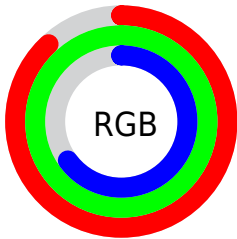
Format	Color
RYB	166, 255, 197
Decimal	14745510
CIELab	96.05, -24.29, 39.29
CIElCh	96, 46.190, 121.730
Yxy	90.1205, 0.3443, 0.4229
Android (android.graphics.Color)	4292935590 (0xFFE0FFA6)
YUV	235.5850, -34.3054, -10.1600
Hunter-Lab	94.9318, -28.1719, 35.4682

Details

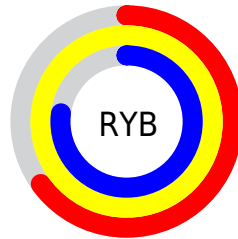
The Yxy color **90.1205, 0.3443, 0.4229** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.3778, 0.2712, 0.2298**, and the grayscale version is **83.7946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **49.9053, 0.3498, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **87.8820, 0.3520, 0.4511**, and if you desaturate by 10%, it is **92.6013, 0.3357, 0.3946**.

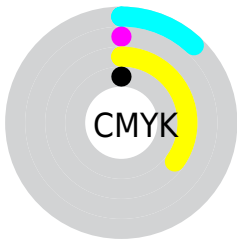
Distribution



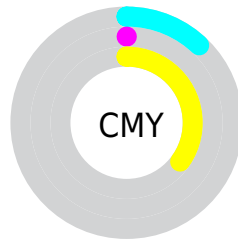
- Red (88%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (77%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1205, 0.3443, 0.4229 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 90.1205, 0.3443, 0.4229 by changing the saturation by 10% instead.


 90.1205, 0.3443,
0.4229


 90.1205, 0.3443,
0.4229

528.4228, 0.3315,
0.3797

 68.0806, 0.3467,
0.4326


 147.5058, 0.3403,
0.4080

 49.9633, 0.3495,
0.4444


 183.6199, 0.3386,
0.4022

 35.3842, 0.3525,
0.4591


225.1942, 0.3371,
0.3972

 23.9590, 0.3558,
0.4779

272.6132, 0.3357,
0.3928

 15.3032, 0.3589,
0.5025

326.2611, 0.3345,
0.3889

 9.0325, 0.3609,
0.5355

386.5224, 0.3334,

 4.7624, 0.3631,

0.3855

0.5883

453.7815, 0.3324,
0.3825

■ 2.1085, 0.3473,
0.6527

■ 0.6694, 0.0607,
0.9393

■ 90.1205, 0.3443,
0.4229

■ 90.1205, 0.3443,
0.4229

■ 87.8820, 0.3520,
0.4511

■ 92.6013, 0.3357,
0.3946

■ 85.9002, 0.3582,
0.4781

■ 95.3621, 0.3265,
0.3671

■ 84.1528, 0.3624,
0.5026

■ 98.4046, 0.3172,
0.3411

■ 82.6250, 0.3642,
0.5233

100.0000, 0.3127,
0.3290

■ 81.2996, 0.3635,
0.5392

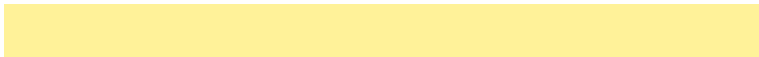
■ 80.1555, 0.3604,
0.5499

■ 79.6268, 0.3581,
0.5539

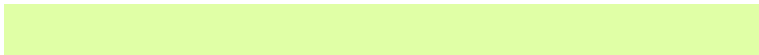
Harmonies

Analogous

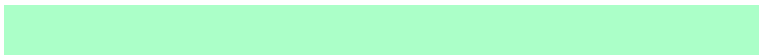
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1205, 0.3890, 0.4129



90.1205, 0.3443, 0.4229



90.1205, 0.2932, 0.4017

Triad

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



90.1205, 0.3443, 0.4229



90.1205, 0.2200, 0.2660



90.1205, 0.3770, 0.3016

Complementary

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



90.1205, 0.3443, 0.4229



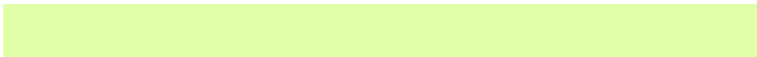
46.3778, 0.2712, 0.2298

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.



90.1205, 0.3262, 0.2693



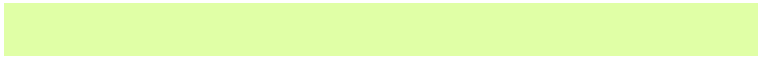
90.1205, 0.3443, 0.4229



90.1205, 0.2379, 0.2482

Square

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



90.1205, 0.3443, 0.4229



90.1205, 0.2240, 0.3039



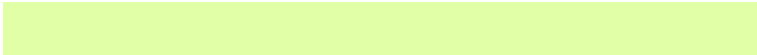
90.1205, 0.2754, 0.2501



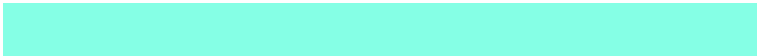
90.1205, 0.4103, 0.3414

Rectangle

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



90.1205, 0.3443, 0.4229



90.1205, 0.2626, 0.3723



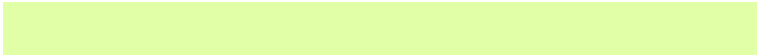
90.1205, 0.2754, 0.2501



90.1205, 0.3612, 0.2897

Sweetspot

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



90.1117, 0.3443, 0.4229



96.8160, 0.3220, 0.3542



63.3476, 0.3854, 0.3602



20.6318, 0.3233, 0.3578



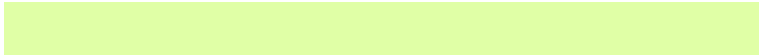
0.0000, 0.0000, 0.0000



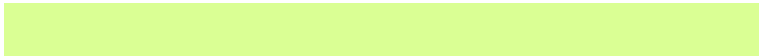
21.4041, 0.3127, 0.3290

Same Dimension

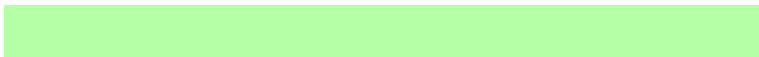
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1117, 0.3443, 0.4229



88.5017, 0.3499, 0.4430



84.0788, 0.3165, 0.4316



20.7549, 0.3215, 0.3529



41.6931, 0.3591, 0.5531



4.1204, 0.3660, 0.5476

Inverse Universe

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



46.3778, 0.2712, 0.2298



38.7177, 0.2605, 0.2071



53.0525, 0.3049, 0.2390



17.6860, 0.3033, 0.3048



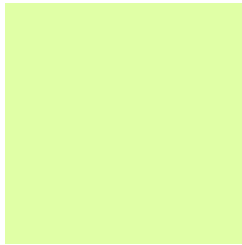
4.9571, 0.1765, 0.0746



0.5408, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 90.1205, 0.3443, 0.4229 looks on a white background.

Color Contrast Check

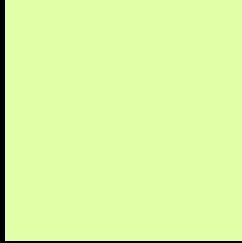
Large Text (above 18pt) WCAG AA × Fail

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 90.1205, 0.3443, 0.4229 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 90.1205, 0.3443, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 90.1205, 0.3443, 0.4229.

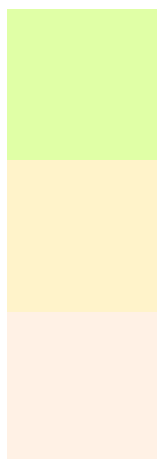


This preview shows how white text looks on a background with the Yxy color 90.1205, 0.3443, 0.4229.

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

90.1205, 0.3443, 0.4229

Protanopia

89.6255, 0.3464, 0.3699

Deuteranopia

89.8277, 0.3295, 0.3408



Tritanopia

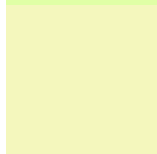
89.8464, 0.3037, 0.3171

Trichromacy



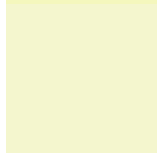
Original Color

90.1205, 0.3443, 0.4229



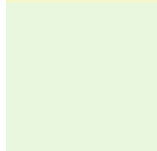
Protanomaly

89.4287, 0.3462, 0.3882



Deuteranomaly

89.6009, 0.3358, 0.3696



Tritanomaly

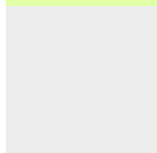
89.3417, 0.3186, 0.3536

Monochromacy



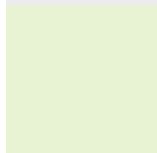
Original Color

90.1205, 0.3443, 0.4229



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.9601, 0.3250, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1205, 0.3443, 0.4229 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(224, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 166)  
}
```

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(224, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 90.1205, 0.3443, 0.4229 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(224, 255, 166) }
```

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

```
.border{ border-color:rgb(224, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1205, 0.3443, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 166) }
```

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

```
.background{ background-color: rgb(224,  
255, 166) }
```

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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