

Converting Colors

$Y_{xy}(162.3906, 0.3206, 0.4718)$

Have a look what the booklet for
Yxy(162.3906, 0.3206, 0.4718)
contains.

Yxy(90.3949, 0.3316, 0.4033)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.3949, 0.3316, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	DDFFB9
RGB	221, 255, 185
RGB Percent	87%, 100%, 73%
CMY	0.1335, 0.0000, 0.2746
CMYK	0.13, 0.00, 0.27, 0.00
HSL	89°, 100%, 86%
HSV	89°, 27%, 100%
XYZ	74.3242, 90.3949, 59.4190
YIQ	236.8540, 2.2060, -28.9780

Conversions

Conversions Part 2

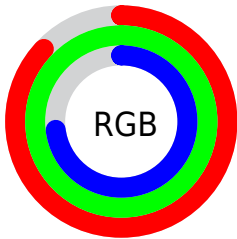
Format	Color
RYB	185, 255, 219
Decimal	14548921
CIELab	96.16, -22.80, 29.94
CIELCh	96, 37.637, 127.292
Yxy	90.3949, 0.3316, 0.4033
Android (android.graphics.Color)	4292739001 (0xFFDDFFB9)
YUV	236.8540, -25.5640, -13.9040
Hunter-Lab	95.0762, -26.8441, 29.4994

Details

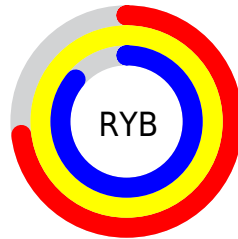
The Yxy color **90.3949, 0.3316, 0.4033** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.9751, 0.2887, 0.2546**, and the grayscale version is **84.7563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **50.0262, 0.3349, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **87.5310, 0.3376, 0.4331**, and if you desaturate by 10%, it is **93.5808, 0.3249, 0.3746**.

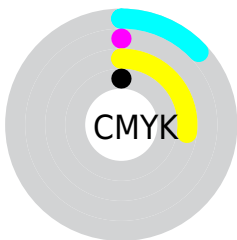
Distribution



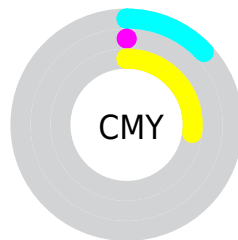
- Red (87%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (86%)



- Cyan (13%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3949, 0.3316, 0.4033 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 90.3949, 0.3316, 0.4033 by changing the saturation by 10% instead.


 90.3949, 0.3316,
0.4033

 90.3949, 0.3316,
0.4033


529.3146, 0.3240,
0.3691

 68.3082, 0.3331,
0.4110


 147.8868, 0.3292,
0.3915

 50.1485, 0.3347,
0.4205


184.0608, 0.3282,
0.3869

 35.5314, 0.3366,
0.4324


225.6994, 0.3273,
0.3829

 24.0725, 0.3387,
0.4478

273.1869, 0.3265,
0.3794

 15.3874, 0.3409,
0.4683

326.9078, 0.3258,
0.3764

 9.0917, 0.3426,
0.4968

387.2465, 0.3251,

 4.8011, 0.3423,

0.3737

0.5385

454.5873, 0.3245,
0.3712

■ 2.1310, 0.3566,
0.6434

■ 0.6820, 0.1183,
0.8817

■ 90.3949, 0.3316,
0.4033

■ 90.3949, 0.3316,
0.4033

■ 87.5310, 0.3376,
0.4331

■ 93.5808, 0.3249,
0.3746

■ 84.9980, 0.3426,
0.4632

■ 97.1235, 0.3179,
0.3477

■ 82.7739, 0.3460,
0.4921

100.0000, 0.3127,
0.3290

■ 80.8430, 0.3475,
0.5183

■ 79.1875, 0.3467,
0.5404

■ 77.7872, 0.3436,
0.5572

■ 76.6163, 0.3386,
0.5682

■ 76.3465, 0.3372,
0.5705

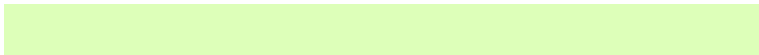
Harmonies

Analogous

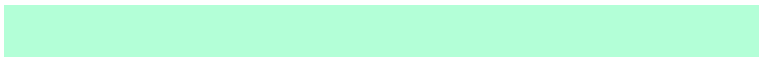
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3949, 0.3698, 0.4009



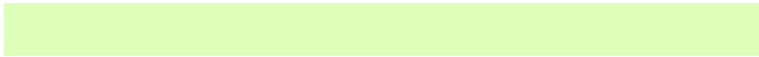
90.3949, 0.3316, 0.4033



90.3949, 0.2899, 0.3815

Triad

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



90.3949, 0.3316, 0.4033



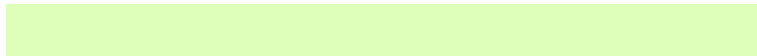
90.3949, 0.2373, 0.2737



90.3949, 0.3715, 0.3127

Complementary

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



90.3949, 0.3316, 0.4033



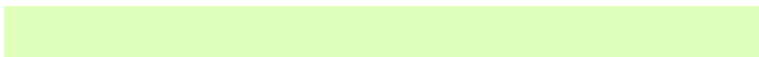
56.9751, 0.2887, 0.2546

Split Complementary

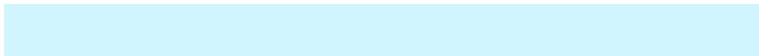
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3949, 0.3321, 0.2838



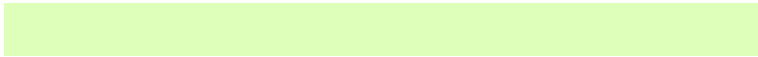
90.3949, 0.3316, 0.4033



90.3949, 0.2557, 0.2612

Square

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



90.3949, 0.3316, 0.4033



90.3949, 0.2373, 0.3025



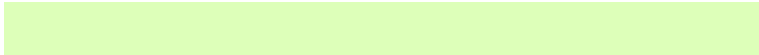
90.3949, 0.2896, 0.2654



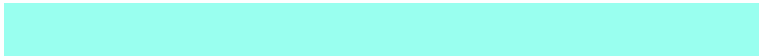
90.3949, 0.3945, 0.3466

Rectangle

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



90.3949, 0.3316, 0.4033



90.3949, 0.2658, 0.3566



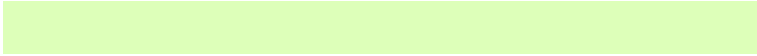
90.3949, 0.2896, 0.2654



90.3949, 0.3596, 0.3022

Sweetspot

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



90.3874, 0.3316, 0.4033



96.9222, 0.3183, 0.3491



75.3337, 0.3635, 0.3638



20.6270, 0.3194, 0.3530



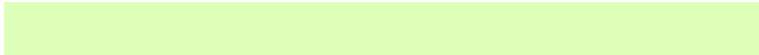
0.0000, 0.0000, 0.0000



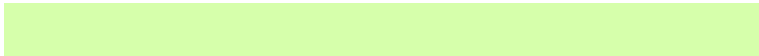
21.4041, 0.3127, 0.3290

Same Dimension

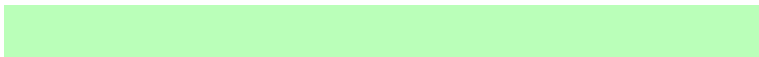
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3874, 0.3316, 0.4033



88.7635, 0.3351, 0.4197



85.4800, 0.3097, 0.4085



20.6270, 0.3194, 0.3530



39.9820, 0.3383, 0.5696



3.9579, 0.3468, 0.5628

Inverse Universe

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



56.9751, 0.2887, 0.2546



50.2513, 0.2827, 0.2381



62.9503, 0.3150, 0.2602



17.8112, 0.3055, 0.3050



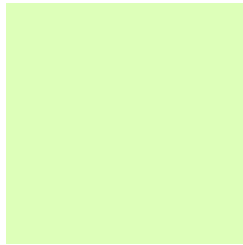
6.0992, 0.1994, 0.0872



0.6586, 0.2118, 0.0940

Previews

White Background



This preview shows how the Yxy color 90.3949, 0.3316, 0.4033 looks on a white background.

Color Contrast Check

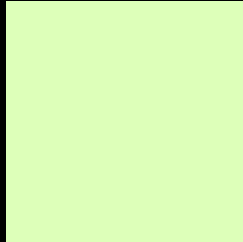
Large Text (above 18pt) WCAG AA × Fail

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 90.3949, 0.3316, 0.4033 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

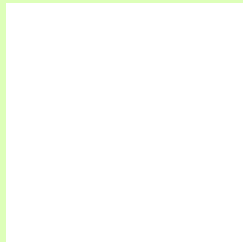
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3949, 0.3316, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 90.3949, 0.3316, 0.4033.

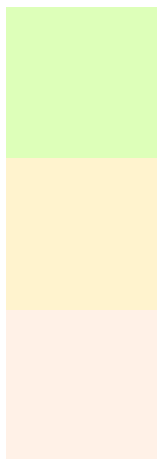


This preview shows how white text looks on a background with the Yxy color 90.3949, 0.3316, 0.4033.

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

90.3949, 0.3316, 0.4033

Protanopia

89.8174, 0.3439, 0.3658

Deuteranopia

89.9401, 0.3282, 0.3388



Tritanopia

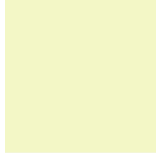
90.0985, 0.3024, 0.3181

Trichromacy



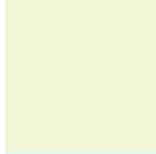
Original Color

90.3949, 0.3316, 0.4033



Protanomaly

89.6534, 0.3399, 0.3790



Deuteranomaly

89.8213, 0.3302, 0.3614



Tritanomaly

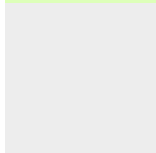
90.0038, 0.3131, 0.3474

Monochromacy



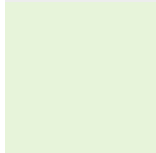
Original Color

90.3949, 0.3316, 0.4033



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7522, 0.3199, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3949, 0.3316, 0.4033 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(221, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 185)  
}
```

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(221, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 90.3949, 0.3316, 0.4033 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(221, 255, 185) }
```

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

```
.border{ border-color:rgb(221, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 255, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 255, 185); box-shadow:4px 4px 4px 4px rgb(221, 255, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3949, 0.3316, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 185) }
```

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

```
.background{ background-color: rgb(221,  
255, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor