

Converting Colors

$Y_{xy}(100.0000, 0.3305, 0.4187)$

Have a look what the booklet for
Yxy(100.0000, 0.3305, 0.4187)
contains.

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Color

Yxy(90.3110, 0.3328, 0.4054)

Conversions

Conversions Part 1

Format	Color
Hex	DDFFB7
RGB	221, 255, 183
RGB Percent	87%, 100%, 72%
CMY	0.1331, 0.0000, 0.2824
CMYK	0.13, 0.00, 0.28, 0.00
HSL	88°, 100%, 86%
HSV	88°, 28%, 100%
XYZ	74.1379, 90.3110, 58.3212
YIQ	236.6260, 2.8480, -29.6000

Conversions

Conversions Part 2

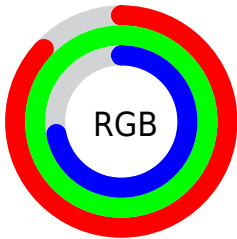
Format	Color
R _{YB}	183, 255, 217
Decimal	14548919
CIE Lab	96.13, -23.04, 30.90
CIE LCh	96, 38.540, 126.713
Yxy	90.3110, 0.3328, 0.4054
Android (android.graphics.Color)	4292738999 (0xFFDDFFB7)
YUV	236.6260, -26.4376, -13.7040
Hunter-Lab	95.0321, -27.0520, 30.1362

Details

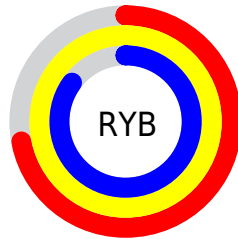
The Yxy color **90.3110, 0.3328, 0.4054** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.8271, 0.2871, 0.2521**, and the grayscale version is **84.5999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **49.9725, 0.3363, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **87.5272, 0.3390, 0.4352**, and if you desaturate by 10%, it is **93.4302, 0.3259, 0.3767**.

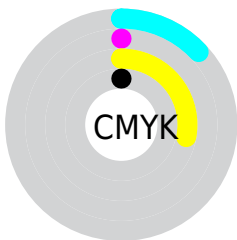
Distribution



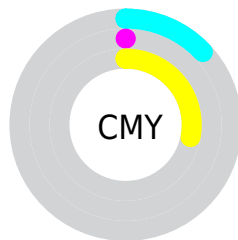
- Red (87%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (85%)



- Cyan (13%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3110, 0.3328, 0.4054 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 90.3110, 0.3328, 0.4054 by changing the saturation by 10% instead.


 90.3110, 0.3328,
0.4054

 90.3110, 0.3328,
0.4054

529.0420, 0.3247,
0.3702

 68.2386, 0.3344,
0.4133


 147.7703, 0.3302,
0.3933

 50.0919, 0.3361,
0.4231


183.9260, 0.3292,
0.3885

 35.4864, 0.3381,
0.4353


225.5450, 0.3282,
0.3844

 24.0378, 0.3403,
0.4511

273.0115, 0.3273,
0.3808

 15.3617, 0.3426,
0.4722

326.7101, 0.3266,
0.3777

 9.0736, 0.3444,
0.5013


387.0252, 0.3259,


 4.7892, 0.3440,


0.3749


0.5437


454.3410, 0.3253,
0.3724


 2.1241, 0.3551,
0.6449


 0.6781, 0.1080,
0.8920


 90.3110, 0.3328,
0.4054


 90.3110, 0.3328,
0.4054

 87.5272, 0.3390,
0.4352


 93.4302, 0.3259,
0.3767

 85.0536, 0.3441,
0.4649

 96.8852, 0.3187,
0.3497

 82.8801, 0.3476,
0.4934

 99.9954, 0.3127,
0.3290

 80.9908, 0.3492,
0.5191

■ 79.3684, 0.3484,
0.5406

■ 77.9926, 0.3453,
0.5567

■ 76.8364, 0.3402,
0.5673

■ 76.6491, 0.3393,
0.5688

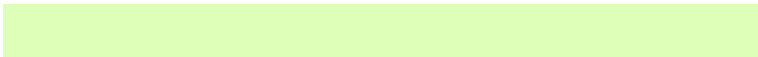
Harmonies

Analogous

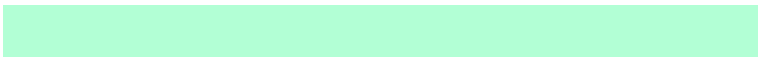
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3110, 0.3718, 0.4023



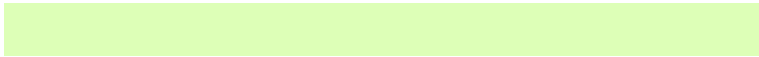
90.3110, 0.3328, 0.4054



90.3110, 0.2901, 0.3835

Triad

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



90.3110, 0.3328, 0.4054



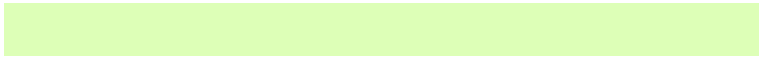
90.3110, 0.2355, 0.2727



90.3110, 0.3723, 0.3116

Complementary

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



90.3110, 0.3328, 0.4054



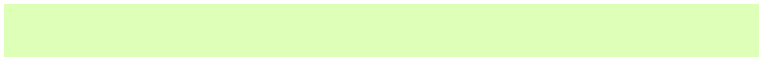
55.8271, 0.2871, 0.2521

Split Complementary

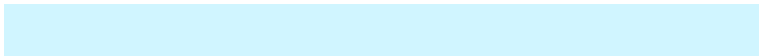
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3110, 0.3317, 0.2823



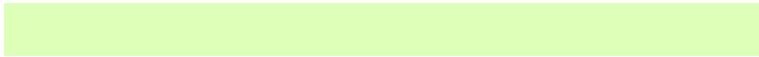
90.3110, 0.3328, 0.4054



90.3110, 0.2539, 0.2598

Square

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



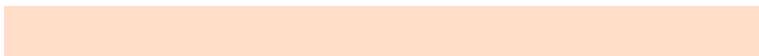
90.3110, 0.3328, 0.4054



90.3110, 0.2358, 0.3025



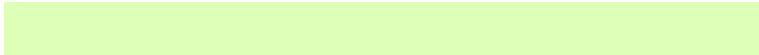
90.3110, 0.2883, 0.2637



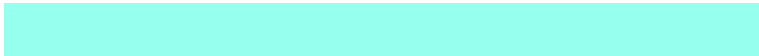
90.3110, 0.3962, 0.3462

Rectangle

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



90.3110, 0.3328, 0.4054



90.3110, 0.2653, 0.3580



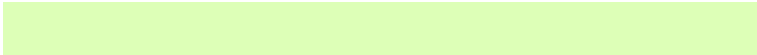
90.3110, 0.2883, 0.2637



90.3110, 0.3600, 0.3010

Sweetspot

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



90.3149, 0.3328, 0.4054



96.9766, 0.3185, 0.3491



74.0946, 0.3656, 0.3636



20.6407, 0.3196, 0.3530



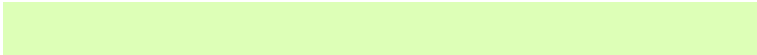
0.0000, 0.0000, 0.0000



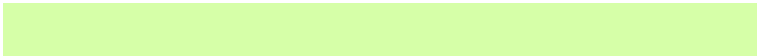
21.4041, 0.3127, 0.3290

Same Dimension

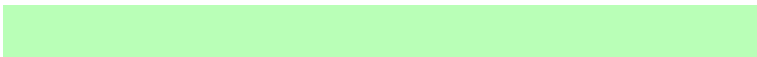
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3149, 0.3328, 0.4054



88.6742, 0.3365, 0.4225



85.2979, 0.3103, 0.4109



20.6407, 0.3196, 0.3530



40.1431, 0.3404, 0.5679



3.9736, 0.3488, 0.5613

Inverse Universe

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



55.8271, 0.2871, 0.2521



48.9162, 0.2806, 0.2348



61.8917, 0.3142, 0.2581



17.7975, 0.3053, 0.3050



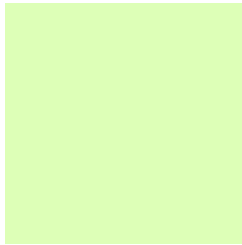
5.9539, 0.1966, 0.0857



0.6441, 0.2091, 0.0925

Previews

White Background



This preview shows how the Yxy color 90.3110, 0.3328, 0.4054 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 90.3110, 0.3328, 0.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

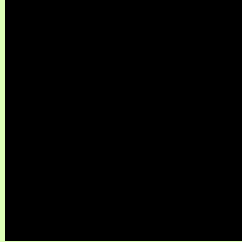
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

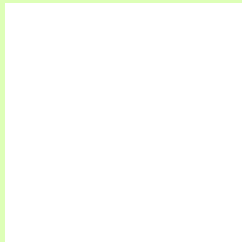
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3110, 0.3328, 0.4054

Background



This preview shows how black text looks on a background with the Yxy color 90.3110, 0.3328, 0.4054.

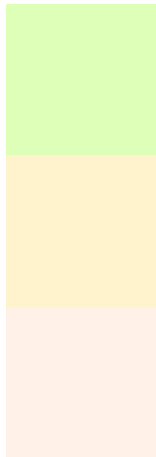


This preview shows how white text looks on a background with the Yxy color 90.3110, 0.3328, 0.4054.

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

90.3110, 0.3328, 0.4054

Protanopia

89.7690, 0.3445, 0.3668

Deuteranopia

89.9401, 0.3282, 0.3388



Tritanopia

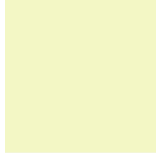
90.0985, 0.3024, 0.3181

Trichromacy



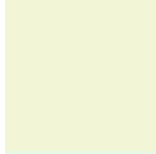
Original Color

90.3110, 0.3328, 0.4054



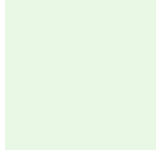
Protanomaly

89.6074, 0.3406, 0.3800



Deuteranomaly

89.8213, 0.3302, 0.3614



Tritanomaly

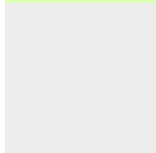
89.9478, 0.3137, 0.3484

Monochromacy



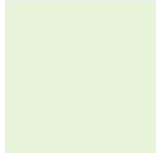
Original Color

90.3110, 0.3328, 0.4054



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7000, 0.3205, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3110, 0.3328, 0.4054 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 90.3110, 0.3328, 0.4054 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, 183) }
```

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

```
.border{ border-color:rgb(221, 255, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3110, 0.3328, 0.4054 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, 183) }
```

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

```
.background{ background-color: rgb(221,  
255, 183) }
```

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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