

Converting Colors

$Yxy(90.5745, 0.3303, 0.4002)$

Have a look what the booklet for
Yxy(90.5745, 0.3303, 0.4002)
contains.

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Color

Yxy(90.5230, 0.3299, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	DDFFBC
RGB	221, 255, 188
RGB Percent	87%, 100%, 74%
CMY	0.1333, 0.0000, 0.2627
CMYK	0.13, 0.00, 0.26, 0.00
HSL	90°, 100%, 87%
HSV	90°, 26%, 100%
XYZ	74.6588, 90.5230, 61.1257
YIQ	237.1960, 1.2430, -28.0450

Conversions

Conversions Part 2

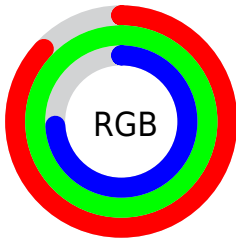
Format	Color
R _{YB}	188, 255, 222
Decimal	14548924
CIE _{Lab}	96.21, -22.34, 28.48
CIE _{LCh}	96, 36.200, 128.110
Yxy	90.5230, 0.3299, 0.4000
Android (android.graphics.Color)	4292739004 (0xFFDDFFBC)
YUV	237.1960, -24.2536, -14.2039
Hunter-Lab	95.1436, -26.4329, 28.5092

Details

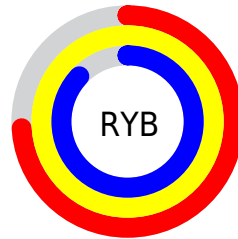
The Yxy color **90.5230, 0.3299, 0.4000** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.7277, 0.2910, 0.2583**, and the grayscale version is **85.0394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **50.1087, 0.3328, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **87.5665, 0.3357, 0.4300**, and if you desaturate by 10%, it is **93.8343, 0.3235, 0.3713**.

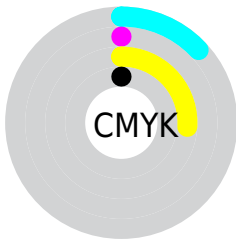
Distribution



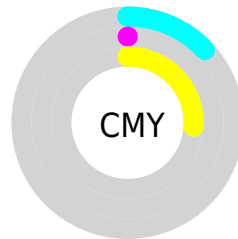
- Red (87%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (87%)



- Cyan (13%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5230, 0.3299, 0.4000 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 90.5230, 0.3299, 0.4000 by changing the saturation by 10% instead.


 90.5230, 0.3299,
0.4000

 90.5230, 0.3299,
0.4000

529.7307, 0.3230,
0.3673

 68.4145, 0.3312,
0.4074

 148.0647, 0.3277,
0.3887

 50.2350, 0.3328,
0.4165


184.2666, 0.3268,
0.3843

 35.6002, 0.3345,
0.4278


225.9351, 0.3260,
0.3805

 24.1256, 0.3364,
0.4426

273.4547, 0.3252,
0.3772

 15.4268, 0.3384,
0.4622

327.2096, 0.3246,
0.3743

 9.1195, 0.3401,
0.4896

387.5843, 0.3240,

 4.8192, 0.3400,

0.3717

0.5299

454.9632, 0.3235,
0.3694

■ 2.1416, 0.3596,
0.6404

■ 0.6878, 0.1361,
0.8639

■ 90.5230, 0.3299,
0.4000

■ 90.5230, 0.3299,
0.4000

■ 87.5665, 0.3357,
0.4300

■ 93.8343, 0.3235,
0.3713

■ 84.9452, 0.3404,
0.4604

■ 97.5075, 0.3169,
0.3446

■ 82.6463, 0.3437,
0.4898

100.0000, 0.3127,
0.3290

■ 80.6536, 0.3451,
0.5169

■ 78.9493, 0.3443,
0.5399

■ 77.5128, 0.3413,
0.5576

■ 76.3193, 0.3364,
0.5694

■ 75.9237, 0.3342,
0.5728

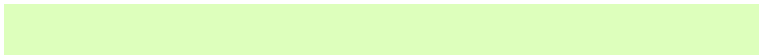
Harmonies

Analogous

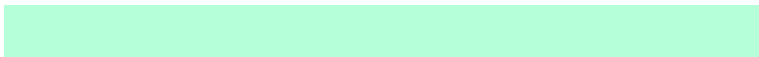
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5230, 0.3669, 0.3985



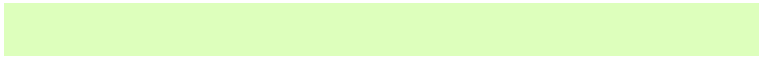
90.5230, 0.3299, 0.4000



90.5230, 0.2898, 0.3784

Triad

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



90.5230, 0.3299, 0.4000



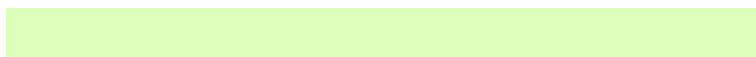
90.5230, 0.2403, 0.2752



90.5230, 0.3701, 0.3142

Complementary

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



90.5230, 0.3299, 0.4000



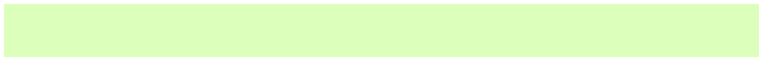
58.7277, 0.2910, 0.2583

Split Complementary

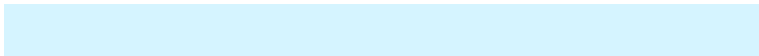
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5230, 0.3326, 0.2861



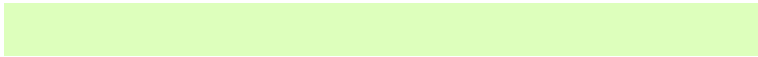
90.5230, 0.3299, 0.4000



90.5230, 0.2586, 0.2636

Square

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



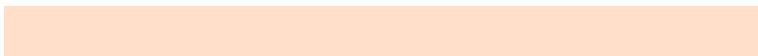
90.5230, 0.3299, 0.4000



90.5230, 0.2398, 0.3027



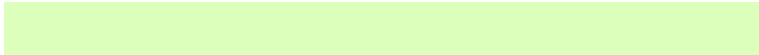
90.5230, 0.2916, 0.2679



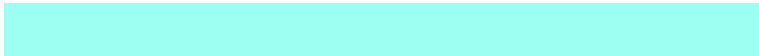
90.5230, 0.3916, 0.3470

Rectangle

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



90.5230, 0.3299, 0.4000



90.5230, 0.2668, 0.3544



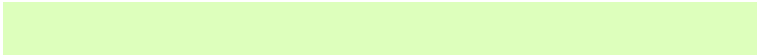
90.5230, 0.2916, 0.2679



90.5230, 0.3588, 0.3040

Sweetspot

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



90.5249, 0.3299, 0.4000



96.8440, 0.3180, 0.3491



76.8749, 0.3607, 0.3633



20.6073, 0.3191, 0.3530



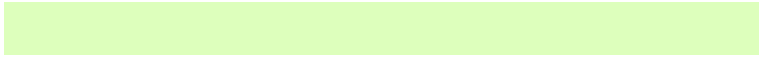
0.0000, 0.0000, 0.0000



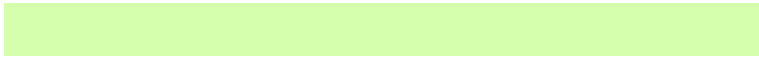
21.4041, 0.3127, 0.3290

Same Dimension

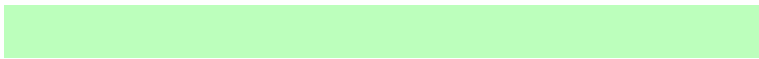
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5249, 0.3299, 0.4000



88.7865, 0.3333, 0.4171



85.8459, 0.3092, 0.4047



20.6073, 0.3191, 0.3530



39.7602, 0.3354, 0.5719



3.9361, 0.3440, 0.5651

Inverse Universe

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



58.7277, 0.2910, 0.2583



51.6798, 0.2851, 0.2414



64.4557, 0.3158, 0.2634



17.8308, 0.3059, 0.3050



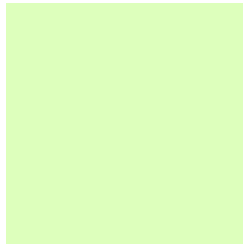
6.3176, 0.2036, 0.0895



0.6801, 0.2157, 0.0962

Previews

White Background



This preview shows how the Yxy color 90.5230, 0.3299, 0.4000 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 90.5230, 0.3299, 0.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

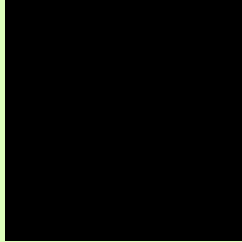
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

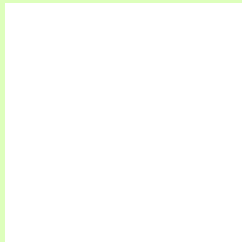
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5230, 0.3299, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 90.5230, 0.3299, 0.4000.

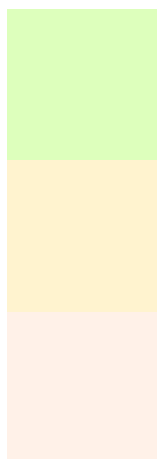


This preview shows how white text looks on a background with the Yxy color 90.5230, 0.3299, 0.4000.

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

90.5230, 0.3299, 0.4000

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

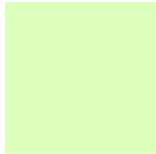
89.9968, 0.3276, 0.3379



Tritanopia

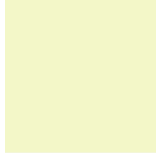
90.0985, 0.3024, 0.3181

Trichromacy



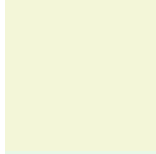
Original Color

90.5230, 0.3299, 0.4000



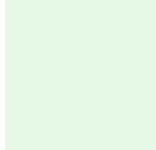
Protanomaly

89.7463, 0.3387, 0.3769



Deuteranomaly

89.9241, 0.3290, 0.3594



Tritanomaly

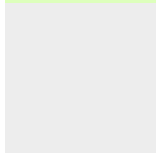
90.0601, 0.3125, 0.3463

Monochromacy



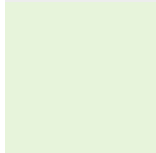
Original Color

90.5230, 0.3299, 0.4000



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8048, 0.3193, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5230, 0.3299, 0.4000 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 188) }
```

Border

The CSS property to change the border of an element to Yxy 90.5230, 0.3299, 0.4000 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, 188) }
```

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

```
.border{ border-color:rgb(221, 255, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5230, 0.3299, 0.4000 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, 188) }
```

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

```
.background{ background-color: rgb(221,  
255, 188) }
```

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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