

Converting Colors

$Yxy(90.6321, 0.3304, 0.3999)$

Have a look what the booklet for
Yxy(90.6321, 0.3304, 0.3999)
contains.

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Color

Yxy(90.6804, 0.3306, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	DEFFBC
RGB	222, 255, 188
RGB Percent	87%, 100%, 74%
CMY	0.1293, 0.0000, 0.2629
CMYK	0.13, 0.00, 0.26, 0.00
HSL	90°, 100%, 87%
HSV	90°, 26%, 100%
XYZ	74.9661, 90.6804, 61.1112
YIQ	237.4950, 1.8390, -27.8330

Conversions

Conversions Part 2

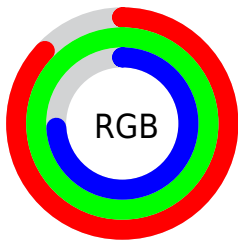
Format	Color
RYB	188, 255, 221
Decimal	14614460
CIELab	96.28, -21.99, 28.61
CIELCh	96, 36.083, 127.547
Yxy	90.6804, 0.3306, 0.3999
Android (android.graphics.Color)	4292804540 (0xFFDEFFBC)
YUV	237.4950, -24.4010, -13.5891
Hunter-Lab	95.2263, -26.1233, 28.6092

Details

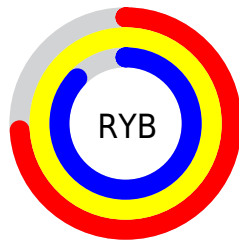
The Yxy color **90.6804, 0.3306, 0.3999** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.5363, 0.2902, 0.2581**, and the grayscale version is **85.2851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **50.2164, 0.3336, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **87.7725, 0.3366, 0.4297**, and if you desaturate by 10%, it is **93.9378, 0.3240, 0.3713**.

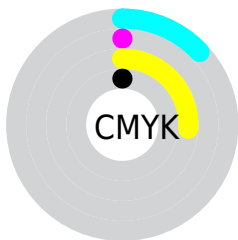
Distribution



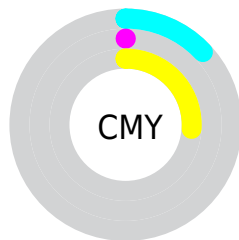
- Red (87%)
- Green (100%)
- Blue (74%)



- 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 90.6804, 0.3306, 0.3999 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 90.6804, 0.3306, 0.3999 by changing the saturation by 10% instead.


 90.6804, 0.3306,
0.3999

 90.6804, 0.3306,
0.3999

530.2417, 0.3233,
0.3673

 68.5451, 0.3320,
0.4073

 148.2831, 0.3283,
0.3886

 50.3413, 0.3336,
0.4163


184.5194, 0.3273,
0.3843

 35.6847, 0.3354,
0.4276


226.2247, 0.3265,
0.3805

 24.1908, 0.3375,
0.4423

273.7835, 0.3257,
0.3772

 15.4752, 0.3397,
0.4618

327.5802, 0.3250,
0.3742

 9.1536, 0.3416,
0.4890

387.9992, 0.3244,

 4.8415, 0.3419,

0.3717

0.5290

455.4249, 0.3239,
0.3694

■ 2.1546, 0.3620,
0.6380

■ 0.6950, 0.1512,
0.8488

■ 90.6804, 0.3306,
0.3999

■ 90.6804, 0.3306,
0.3999

■ 87.7725, 0.3366,
0.4297

■ 93.9378, 0.3240,
0.3713

■ 85.1889, 0.3416,
0.4599

■ 97.5455, 0.3171,
0.3447

■ 82.9190, 0.3452,
0.4891

■ 99.9998, 0.3127,
0.3290

■ 80.9470, 0.3468,
0.5158

■ 79.2555, 0.3462,
0.5386

■ 77.8242, 0.3434,
0.5561

■ 76.6290, 0.3385,
0.5678

■ 76.2330, 0.3364,
0.5711

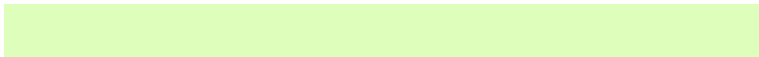
Harmonies

Analogous

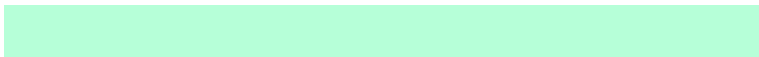
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6804, 0.3673, 0.3980



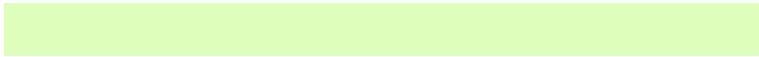
90.6804, 0.3306, 0.3999



90.6804, 0.2906, 0.3788

Triad

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



90.6804, 0.3306, 0.3999



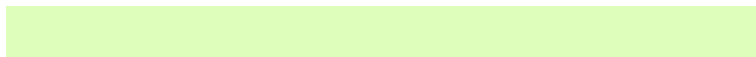
90.6804, 0.2404, 0.2758



90.6804, 0.3693, 0.3137

Complementary

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



90.6804, 0.3306, 0.3999



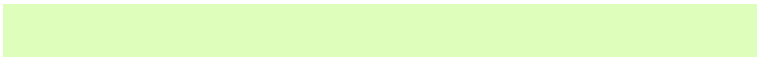
58.5363, 0.2902, 0.2581

Split Complementary

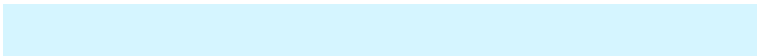
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6804, 0.3317, 0.2858



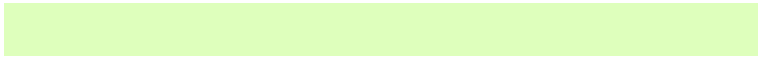
90.6804, 0.3306, 0.3999



90.6804, 0.2583, 0.2639

Square

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



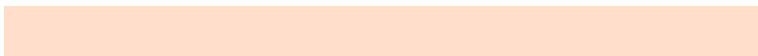
90.6804, 0.3306, 0.3999



90.6804, 0.2402, 0.3035



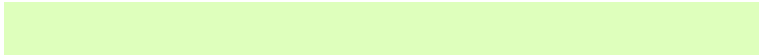
90.6804, 0.2910, 0.2679



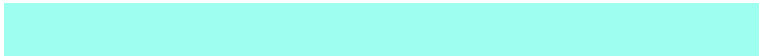
90.6804, 0.3911, 0.3463

Rectangle

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



90.6804, 0.3306, 0.3999



90.6804, 0.2675, 0.3551



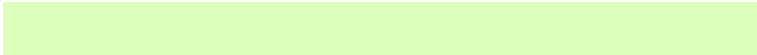
90.6804, 0.2910, 0.2679



90.6804, 0.3579, 0.3036

Sweetspot

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



90.6844, 0.3306, 0.3999



96.9016, 0.3183, 0.3491



76.2695, 0.3610, 0.3622



20.6218, 0.3193, 0.3530



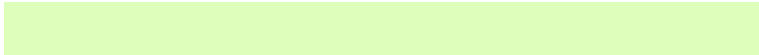
0.0000, 0.0000, 0.0000



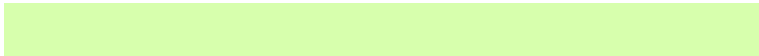
21.4041, 0.3127, 0.3290

Same Dimension

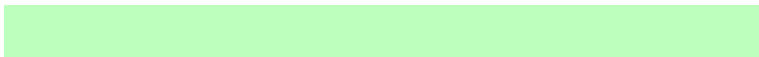
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6844, 0.3306, 0.3999



88.9797, 0.3341, 0.4168



85.9795, 0.3098, 0.4046



20.6218, 0.3193, 0.3530



39.9226, 0.3376, 0.5702



3.9521, 0.3461, 0.5634

Inverse Universe

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



58.5363, 0.2902, 0.2581



51.4867, 0.2841, 0.2412



64.2227, 0.3149, 0.2632



17.8163, 0.3056, 0.3050



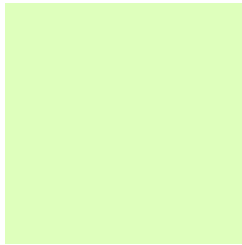
6.1555, 0.2005, 0.0878



0.6641, 0.2128, 0.0946

Previews

White Background



This preview shows how the Yxy color 90.6804, 0.3306, 0.3999 looks on a white background.

Color Contrast Check

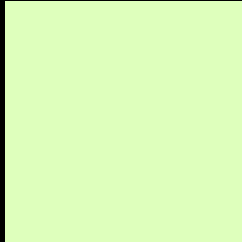
Large Text (above 18pt) WCAG AA × Fail

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 90.6804, 0.3306, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

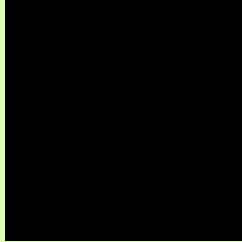
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

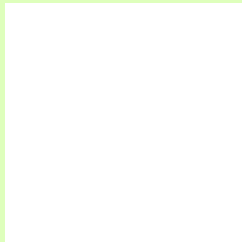
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.6804, 0.3306, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 90.6804, 0.3306, 0.3999.

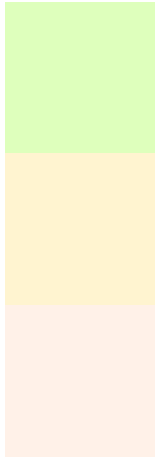


This preview shows how white text looks on a background with the Yxy color 90.6804, 0.3306, 0.3999.

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

90.6804, 0.3306, 0.3999

Protanopia

90.5154, 0.3424, 0.3647

Deuteranopia

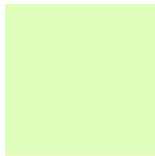
89.9968, 0.3276, 0.3379



Tritanopia

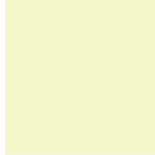
90.0985, 0.3024, 0.3181

Trichromacy



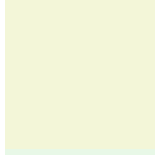
Original Color

90.6804, 0.3306, 0.3999



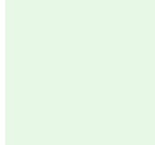
Protanomaly

90.4065, 0.3379, 0.3768



Deuteranomaly

89.9241, 0.3290, 0.3594



Tritanomaly

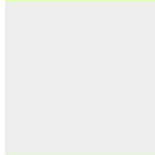
90.0601, 0.3125, 0.3463

Monochromacy



Original Color

90.6804, 0.3306, 0.3999



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0245, 0.3194, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.6804, 0.3306, 0.3999 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(222, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 188) }
```

Border

The CSS property to change the border of an element to Yxy 90.6804, 0.3306, 0.3999 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(222, 255, 188) }
```

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

```
.border{ border-color:rgb(222, 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(222, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 255, 188); box-shadow:4px 4px 4px 4px rgb(222, 255, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 90.6804, 0.3306, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 188) }
```

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

```
.background{ background-color: rgb(222,  
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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