

Converting Colors

$Yxy(90.1190, 0.3312, 0.4046)$

Have a look what the booklet for
Yxy(90.1190, 0.3312, 0.4046)
contains.

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Color

Yxy(90.0408, 0.3309, 0.4047)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFB8
RGB	219, 255, 184
RGB Percent	86%, 100%, 72%
CMY	0.1412, 0.0000, 0.2786
CMYK	0.14, 0.00, 0.28, 0.00
HSL	90°, 100%, 86%
HSV	90°, 28%, 100%
XYZ	73.6212, 90.0408, 58.8258
YIQ	236.1420, 1.3350, -29.7130

Conversions

Conversions Part 2

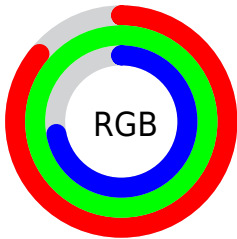
Format	Color
RYB	184, 255, 220
Decimal	14417848
CIELab	96.01, -23.63, 30.24
CIELCh	96, 38.373, 128.007
Yxy	90.0408, 0.3309, 0.4047
Android (android.graphics.Color)	4292607928 (0xFFDBFFB8)
YUV	236.1420, -25.7060, -15.0335
Hunter-Lab	94.8898, -27.5662, 29.6668

Details

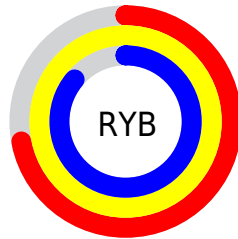
The Yxy color **90.0408, 0.3309, 0.4047** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.6966, 0.2894, 0.2536**, and the grayscale version is **84.1904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **49.7864, 0.3339, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **87.1369, 0.3365, 0.4348**, and if you desaturate by 10%, it is **93.2891, 0.3246, 0.3758**.

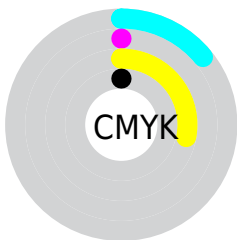
Distribution



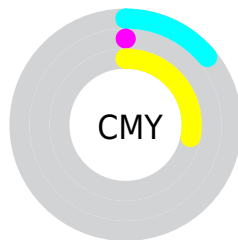
- Red (86%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (86%)



- Cyan (14%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0408, 0.3309, 0.4047 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 90.0408, 0.3309, 0.4047 by changing the saturation by 10% instead.


 90.0408, 0.3309,
0.4047

 90.0408, 0.3309,
0.4047


528.1636, 0.3236,
0.3698

 68.0145, 0.3323,
0.4126


 147.3951, 0.3286,
0.3926

 49.9095, 0.3338,
0.4223


183.4918, 0.3276,
0.3879

 35.3415, 0.3356,
0.4345


225.0475, 0.3268,
0.3839

 23.9261, 0.3375,
0.4503

272.4465, 0.3260,
0.3803

 15.2788, 0.3394,
0.4713

326.0732, 0.3253,
0.3772

 9.0153, 0.3407,
0.5006

386.3120, 0.3247,

 4.7511, 0.3396,

0.3744

0.5434

453.5473, 0.3241,
0.3720

■ 2.1020, 0.3511,
0.6489

■ 0.6658, 0.0775,
0.9225

■ 90.0408, 0.3309,
0.4047

■ 90.0408, 0.3309,
0.4047

■ 87.1369, 0.3365,
0.4348

■ 93.2891, 0.3246,
0.3758

■ 84.5696, 0.3411,
0.4651

■ 96.9008, 0.3180,
0.3487

■ 82.3217, 0.3441,
0.4943

100.0000, 0.3127,
0.3290

■ 80.3770, 0.3452,
0.5208

■ 78.7172, 0.3441,
0.5430

■ 77.3213, 0.3408,
0.5598

■ 76.1623, 0.3355,
0.5708

■ 75.9374, 0.3343,
0.5727

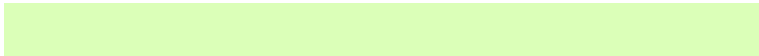
Harmonies

Analogous

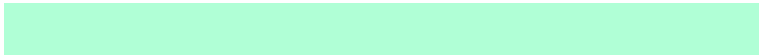
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0408, 0.3701, 0.4027



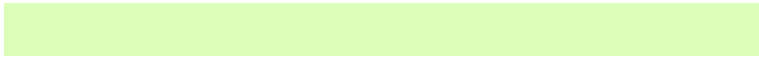
90.0408, 0.3309, 0.4047



90.0408, 0.2885, 0.3818

Triad

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



90.0408, 0.3309, 0.4047



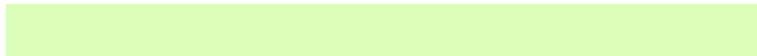
90.0408, 0.2361, 0.2720



90.0408, 0.3735, 0.3131

Complementary

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



90.0408, 0.3309, 0.4047



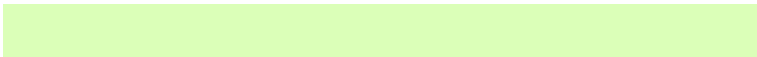
56.6966, 0.2894, 0.2536

Split Complementary

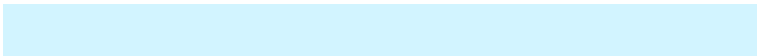
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0408, 0.3336, 0.2835



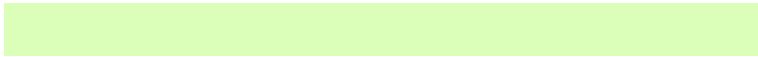
90.0408, 0.3309, 0.4047



90.0408, 0.2553, 0.2598

Square

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



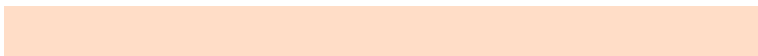
90.0408, 0.3309, 0.4047



90.0408, 0.2356, 0.3010



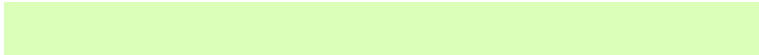
90.0408, 0.2901, 0.2645



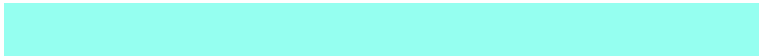
90.0408, 0.3965, 0.3476

Rectangle

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



90.0408, 0.3309, 0.4047



90.0408, 0.2641, 0.3561



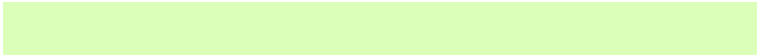
90.0408, 0.2901, 0.2645



90.0408, 0.3615, 0.3024

Sweetspot

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



90.0388, 0.3309, 0.4047



96.8466, 0.3181, 0.3491



75.6341, 0.3641, 0.3655



20.6080, 0.3191, 0.3530



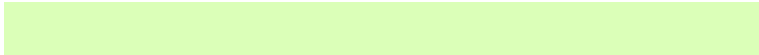
0.0000, 0.0000, 0.0000



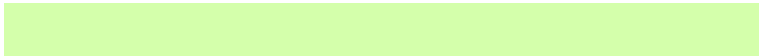
21.4041, 0.3127, 0.3290

Same Dimension

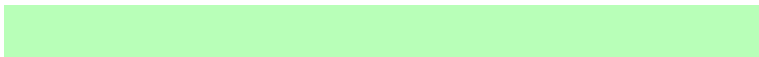
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0388, 0.3309, 0.4047



88.5038, 0.3339, 0.4201



85.1651, 0.3089, 0.4100



20.6080, 0.3191, 0.3530



39.7674, 0.3355, 0.5718



3.9368, 0.3441, 0.5650

Inverse Universe

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



56.6966, 0.2894, 0.2536



50.5101, 0.2840, 0.2384



62.7461, 0.3160, 0.2594



17.8302, 0.3059, 0.3050



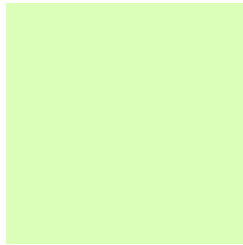
6.3102, 0.2034, 0.0894



0.6794, 0.2156, 0.0961

Previews

White Background



This preview shows how the Yxy color 90.0408, 0.3309, 0.4047 looks on a white background.

Color Contrast Check

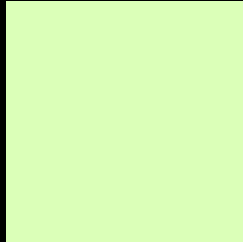
Large Text (above 18pt) WCAG AA × Fail

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 90.0408, 0.3309, 0.4047 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

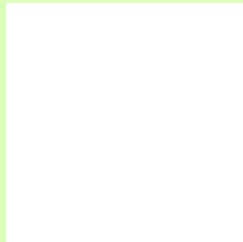
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.0408, 0.3309, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 90.0408, 0.3309, 0.4047.

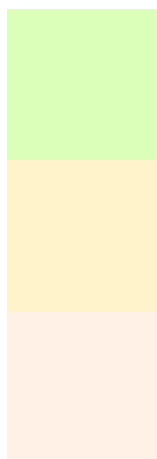


This preview shows how white text looks on a background with the Yxy color 90.0408, 0.3309, 0.4047.

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

90.0408, 0.3309, 0.4047

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

89.8838, 0.3289, 0.3398



Tritanopia

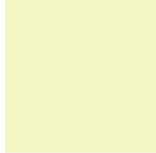
89.7542, 0.3012, 0.3181

Trichromacy



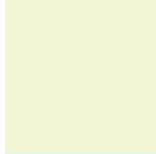
Original Color

90.0408, 0.3309, 0.4047



Protanomaly

89.3843, 0.3405, 0.3812



Deuteranomaly

89.5929, 0.3301, 0.3625



Tritanomaly

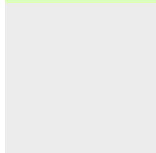
89.6149, 0.3124, 0.3485

Monochromacy



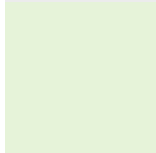
Original Color

90.0408, 0.3309, 0.4047



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.9339, 0.3200, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0408, 0.3309, 0.4047 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(219, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 184)  
}
```

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(219, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 184) }
```

Border

The CSS property to change the border of an element to Yxy 90.0408, 0.3309, 0.4047 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(219, 255, 184) }
```

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

```
.border{ border-color:rgb(219, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0408, 0.3309, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 184) }
```

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

```
.background{ background-color: rgb(219,  
255, 184) }
```

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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