

Converting Colors

$Yxy(90.3444, 0.3308, 0.4024)$

Have a look what the booklet for
Yxy(90.3444, 0.3308, 0.4024)
contains.

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Color

Yxy(90.2808, 0.3304, 0.4023)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFBA
RGB	220, 255, 186
RGB Percent	86%, 100%, 73%
CMY	0.1372, 0.0000, 0.2705
CMYK	0.14, 0.00, 0.27, 0.00
HSL	90°, 100%, 86%
HSV	90°, 27%, 100%
XYZ	74.1456, 90.2808, 59.9852
YIQ	236.6690, 1.2890, -28.8790

Conversions

Conversions Part 2

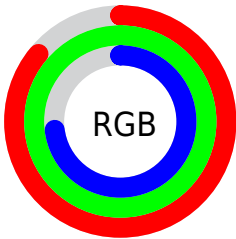
Format	Color
RYB	186, 255, 221
Decimal	14483386
CIELab	96.11, -22.97, 29.34
CIElCh	96, 37.264, 128.053
Yxy	90.2808, 0.3304, 0.4023
Android (android.graphics.Color)	4292673466 (0xFFDCFFBA)
YUV	236.6690, -24.9798, -14.6187
Hunter-Lab	95.0162, -26.9864, 29.0806

Details

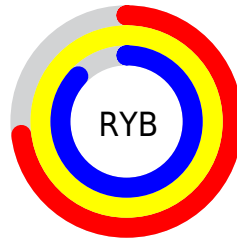
The Yxy color **90.2808, 0.3304, 0.4023** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.7203, 0.2902, 0.2560**, and the grayscale version is **84.6220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **49.9466, 0.3334, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **87.3546, 0.3361, 0.4324**, and if you desaturate by 10%, it is **93.5645, 0.3241, 0.3735**.

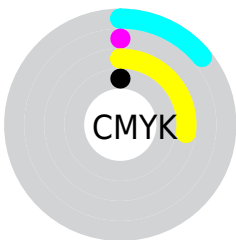
Distribution



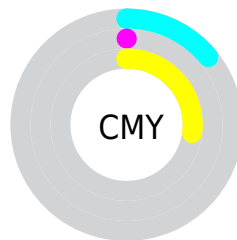
- Red (86%)
- Green (100%)
- Blue (73%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2808, 0.3304, 0.4023 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 90.2808, 0.3304, 0.4023 by changing the saturation by 10% instead.


 90.2808, 0.3304,
0.4023

 90.2808, 0.3304,
0.4023


528.9439, 0.3233,
0.3685

 68.2136, 0.3318,
0.4099


 147.7284, 0.3281,
0.3906

 50.0715, 0.3333,
0.4193


183.8775, 0.3272,
0.3861

 35.4702, 0.3350,
0.4311


225.4894, 0.3264,
0.3822

 24.0253, 0.3370,
0.4463

272.9484, 0.3256,
0.3787

 15.3524, 0.3389,
0.4667

326.6390, 0.3250,
0.3757

 9.0671, 0.3404,
0.4950

386.9455, 0.3243,

 4.7850, 0.3398,

0.3730

454.2523, 0.3238,
0.3707

0.5366

■ 2.1216, 0.3555,
0.6445

■ 0.6768, 0.1087,
0.8913

■ 90.2808, 0.3304,
0.4023

■ 90.2808, 0.3304,
0.4023

■ 87.3546, 0.3361,
0.4324

■ 93.5645, 0.3241,
0.3735

■ 84.7602, 0.3408,
0.4627

■ 97.2068, 0.3174,
0.3466

■ 82.4867, 0.3439,
0.4920

■ 99.9989, 0.3127,
0.3290

■ 80.5179, 0.3452,
0.5188

■ 78.8356, 0.3443,
0.5414

■ 77.4192, 0.3411,
0.5587

■ 76.2431, 0.3360,
0.5701

■ 75.9318, 0.3343,
0.5728

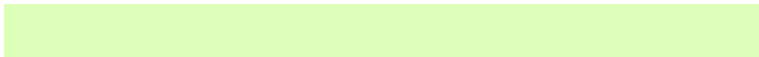
Harmonies

Analogous

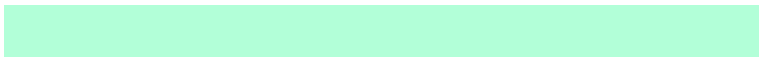
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2808, 0.3685, 0.4005



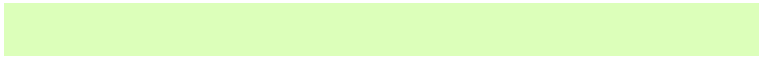
90.2808, 0.3304, 0.4023



90.2808, 0.2892, 0.3801

Triad

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



90.2808, 0.3304, 0.4023



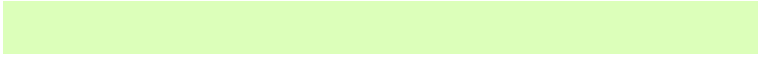
90.2808, 0.2383, 0.2737



90.2808, 0.3718, 0.3137

Complementary

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



90.2808, 0.3304, 0.4023



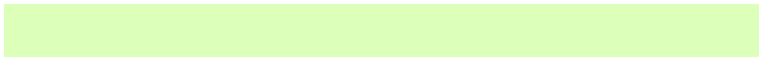
57.7203, 0.2902, 0.2560

Split Complementary

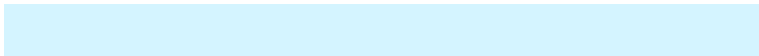
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2808, 0.3331, 0.2848



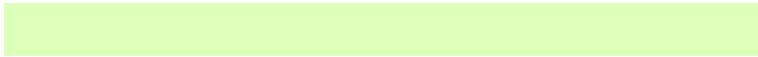
90.2808, 0.3304, 0.4023



90.2808, 0.2569, 0.2617

Square

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



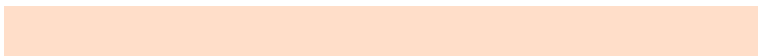
90.2808, 0.3304, 0.4023



90.2808, 0.2378, 0.3019



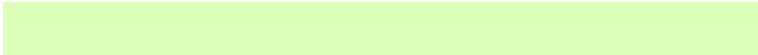
90.2808, 0.2909, 0.2662



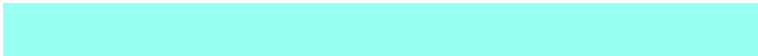
90.2808, 0.3940, 0.3473

Rectangle

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



90.2808, 0.3304, 0.4023



90.2808, 0.2655, 0.3553



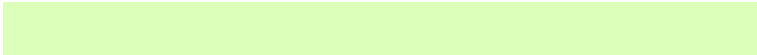
90.2808, 0.2909, 0.2662



90.2808, 0.3601, 0.3032

Sweetspot

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



90.2847, 0.3304, 0.4023



96.8457, 0.3181, 0.3491



76.2614, 0.3623, 0.3644



20.6078, 0.3191, 0.3530



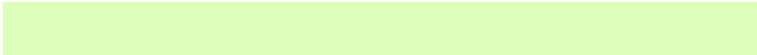
0.0000, 0.0000, 0.0000



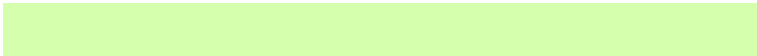
21.4041, 0.3127, 0.3290

Same Dimension

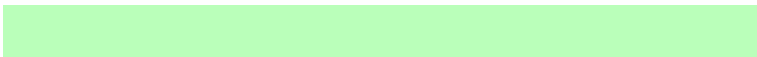
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2847, 0.3304, 0.4023



88.7923, 0.3333, 0.4171



85.5074, 0.3090, 0.4073



20.6078, 0.3191, 0.3530



39.7651, 0.3355, 0.5718



3.9366, 0.3441, 0.5650

Inverse Universe

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



57.7203, 0.2902, 0.2560



51.6739, 0.2851, 0.2414



63.6080, 0.3159, 0.2614



17.8304, 0.3059, 0.3050



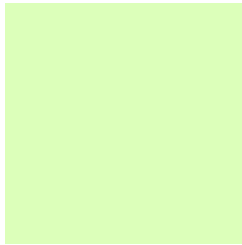
6.3126, 0.2035, 0.0895



0.6796, 0.2156, 0.0962

Previews

White Background



This preview shows how the Yxy color 90.2808, 0.3304, 0.4023 looks on a white background.

Color Contrast Check

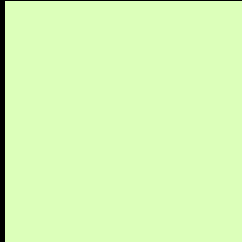
Large Text (above 18pt) WCAG AA × Fail

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 90.2808, 0.3304, 0.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

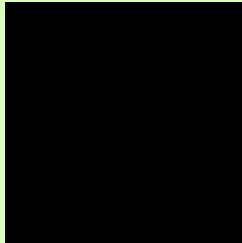
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

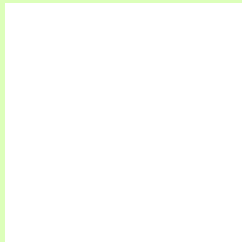
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2808, 0.3304, 0.4023

Background



This preview shows how black text looks on a background with the Yxy color 90.2808, 0.3304, 0.4023.

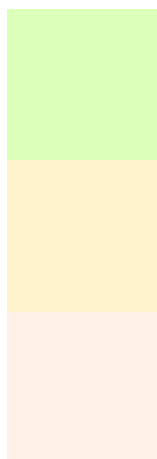


This preview shows how white text looks on a background with the Yxy color 90.2808, 0.3304, 0.4023.

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

90.2808, 0.3304, 0.4023

Protanopia

89.7690, 0.3445, 0.3668

Deuteranopia

89.9401, 0.3282, 0.3388



Tritanopia

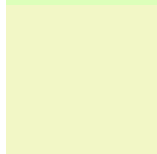
89.9259, 0.3018, 0.3181

Trichromacy



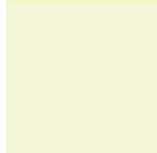
Original Color

90.2808, 0.3304, 0.4023



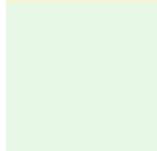
Protanomaly

89.4760, 0.3393, 0.3791



Deuteranomaly

89.6951, 0.3289, 0.3605



Tritanomaly

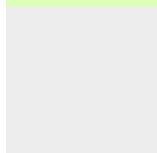
89.8369, 0.3125, 0.3474

Monochromacy



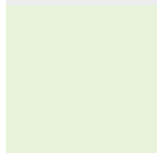
Original Color

90.2808, 0.3304, 0.4023



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 90.2808, 0.3304, 0.4023 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(220, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 186)  
}
```

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(220, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 90.2808, 0.3304, 0.4023 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(220, 255, 186) }
```

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

```
.border{ border-color:rgb(220, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2808, 0.3304, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 186) }
```

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

```
.background{ background-color: rgb(220,  
255, 186) }
```

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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