

Converting Colors

$Y_{xy}(162.1877, 0.3184, 0.4716)$

Have a look what the booklet for
Yxy(162.1877, 0.3184, 0.4716)
contains.

Yxy(89.8169, 0.3284, 0.4028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.8169, 0.3284, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	D9FFBA
RGB	217, 255, 186
RGB Percent	85%, 100%, 73%
CMY	0.1492, 0.0000, 0.2705
CMYK	0.15, 0.00, 0.27, 0.00
HSL	93°, 100%, 86%
HSV	93°, 27%, 100%
XYZ	73.2271, 89.8169, 59.9374
YIQ	235.7720, -0.4990, -29.5150

Conversions

Conversions Part 2

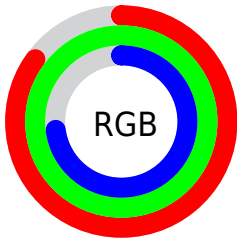
Format	Color
R_{YB}	186, 255, 224
Decimal	14286778
CIE _{Lab}	95.92, -24.05, 29.06
CIE _{LCh}	96, 37.717, 129.614
Yxy	89.8169, 0.3284, 0.4028
Android (android.graphics.Color)	4292476858 (0xFFD9FFBA)
YUV	235.7720, -24.5376, -16.4630
Hunter-Lab	94.7718, -27.9294, 28.8429

Details

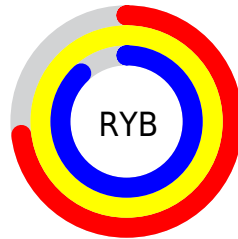
The Yxy color **89.8169, 0.3284, 0.4028** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.2014, 0.2925, 0.2565**, and the grayscale version is **83.8761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **49.6312, 0.3309, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **86.7557, 0.3334, 0.4333**, and if you desaturate by 10%, it is **93.2399, 0.3228, 0.3737**.

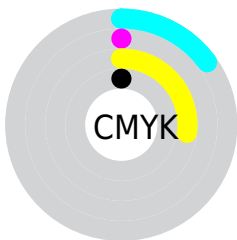
Distribution



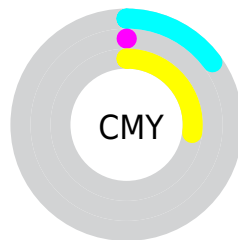
- Red (85%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (88%)



- Cyan (15%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8169, 0.3284, 0.4028 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 89.8169, 0.3284, 0.4028 by changing the saturation by 10% instead.


 89.8169, 0.3284,
0.4028

 89.8169, 0.3284,
0.4028


527.4351, 0.3222,
0.3687

 67.8288, 0.3296,
0.4105


 147.0840, 0.3265,
0.3910

 49.7585, 0.3309,
0.4200


183.1318, 0.3256,
0.3864

 35.2215, 0.3323,
0.4320


224.6350, 0.3249,
0.3824

 23.8336, 0.3338,
0.4475

271.9779, 0.3243,
0.3790

 15.2102, 0.3352,
0.4682

325.5450, 0.3237,
0.3760

 8.9670, 0.3360,
0.4972


385.7206, 0.3231,


 4.7197, 0.3343,


0.3733


0.5399


452.8892, 0.3226,
0.3709


 2.0838, 0.3482,
0.6518

 0.6555, 0.0520,
0.9480


 89.8169, 0.3284,
0.4028

 89.8169, 0.3284,
0.4028

 86.7557, 0.3334,
0.4333

 93.2399, 0.3228,
0.3737

 84.0647, 0.3373,
0.4643

 97.0618, 0.3169,
0.3467

 81.7200, 0.3398,
0.4943

100.0000, 0.3127,
0.3290

 79.7043, 0.3404,
0.5219

■ 77.9983, 0.3390,
0.5452

■ 76.5798, 0.3355,
0.5630

■ 75.4220, 0.3302,
0.5746

■ 75.1202, 0.3285,
0.5774

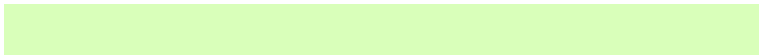
Harmonies

Analogous

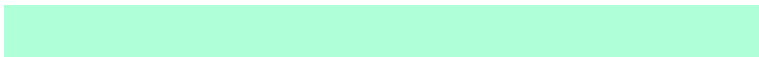
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8169, 0.3675, 0.4022



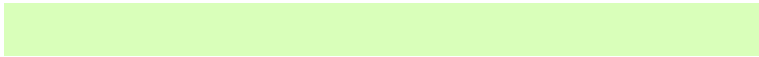
89.8169, 0.3284, 0.4028



89.8169, 0.2868, 0.3791

Triad

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



89.8169, 0.3284, 0.4028



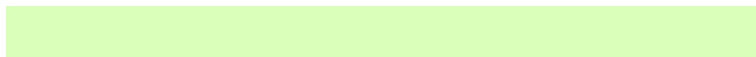
89.8169, 0.2378, 0.2718



89.8169, 0.3743, 0.3151

Complementary

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



89.8169, 0.3284, 0.4028



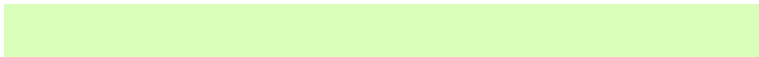
58.2014, 0.2925, 0.2565

Split Complementary

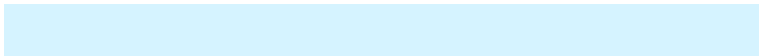
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8169, 0.3356, 0.2856



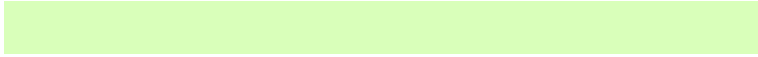
89.8169, 0.3284, 0.4028



89.8169, 0.2576, 0.2607

Square

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



89.8169, 0.3284, 0.4028



89.8169, 0.2364, 0.2996



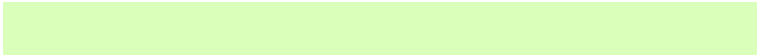
89.8169, 0.2926, 0.2661



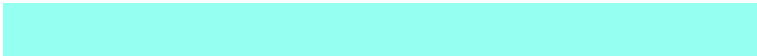
89.8169, 0.3956, 0.3493

Rectangle

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



89.8169, 0.3284, 0.4028



89.8169, 0.2632, 0.3535



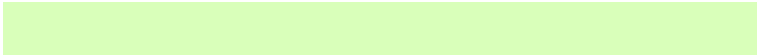
89.8169, 0.2926, 0.2661



89.8169, 0.3627, 0.3045

Sweetspot

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



89.8092, 0.3284, 0.4028



96.6830, 0.3175, 0.3491



78.0934, 0.3615, 0.3678



20.5668, 0.3184, 0.3531



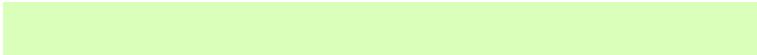
0.0000, 0.0000, 0.0000



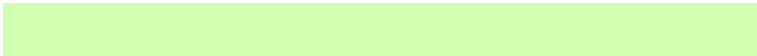
21.4041, 0.3127, 0.3290

Same Dimension

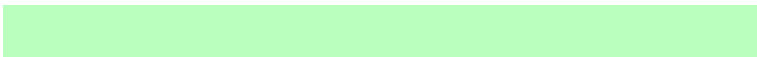
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8092, 0.3284, 0.4028



88.2526, 0.3310, 0.4177



85.6550, 0.3072, 0.4033



20.5668, 0.3184, 0.3531



39.3375, 0.3297, 0.5764



3.8939, 0.3385, 0.5695

Inverse Universe

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



58.2014, 0.2925, 0.2565



52.2297, 0.2879, 0.2421



63.3832, 0.3184, 0.2645



17.8717, 0.3066, 0.3051



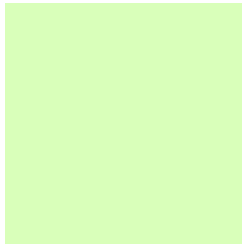
6.8060, 0.2125, 0.0944



0.7275, 0.2242, 0.1009

Previews

White Background



This preview shows how the Yxy color 89.8169, 0.3284, 0.4028 looks on a white background.

Color Contrast Check

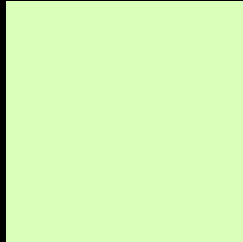
Large Text (above 18pt) WCAG AA × Fail

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 89.8169, 0.3284, 0.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

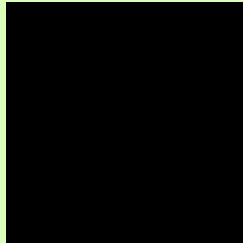
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

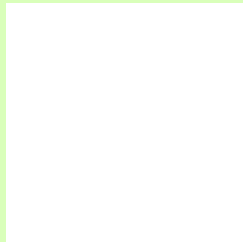
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8169, 0.3284, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 89.8169, 0.3284, 0.4028.

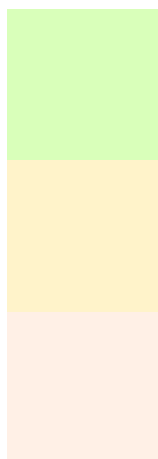


This preview shows how white text looks on a background with the Yxy color 89.8169, 0.3284, 0.4028.

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

89.8169, 0.3284, 0.4028

Protanopia

89.6255, 0.3464, 0.3699

Deuteranopia

89.2933, 0.3290, 0.3389



Tritanopia

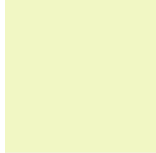
89.5835, 0.3006, 0.3180

Trichromacy



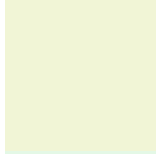
Original Color

89.8169, 0.3284, 0.4028



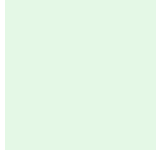
Protanomaly

89.2078, 0.3398, 0.3813



Deuteranomaly

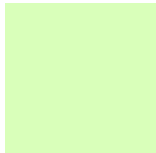
88.8606, 0.3290, 0.3606



Tritanomaly

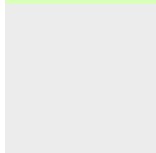
89.3420, 0.3106, 0.3475

Monochromacy



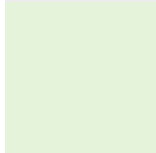
Original Color

89.8169, 0.3284, 0.4028



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8212, 0.3187, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8169, 0.3284, 0.4028 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(217, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 89.8169, 0.3284, 0.4028 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(217, 255, 186) }
```

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

```
.border{ border-color:rgb(217, 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(217, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8169, 0.3284, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 186) }
```

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

```
.background{ background-color: rgb(217,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor