

Converting Colors

$Y_{xy}(119.4143, 0.3333, 0.4513)$

Have a look what the booklet for
Yxy(119.4143, 0.3333, 0.4513)
contains.

Yxy(90.1482, 0.3409, 0.4179)	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(90.1482, 0.3409, 0.4179)

Conversions

Conversions Part 1

Format	Color
Hex	DFFFAB
RGB	223, 255, 171
RGB Percent	87%, 100%, 67%
CMY	0.1255, 0.0000, 0.3296
CMYK	0.13, 0.00, 0.33, 0.00
HSL	83°, 100%, 84%
HSV	83°, 33%, 100%
XYZ	73.5380, 90.1482, 52.0310
YIQ	235.8560, 7.8920, -32.9080

Conversions

Conversions Part 2

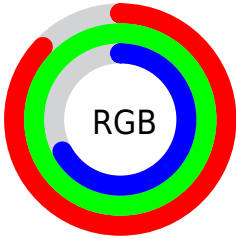
Format	Color
RYB	171, 255, 203
Decimal	14679979
CIELab	96.06, -23.99, 36.84
CIELCh	96, 43.966, 123.074
Yxy	90.1482, 0.3409, 0.4179
Android (android.graphics.Color)	4292870059 (0xFFDFFFAB)
YUV	235.8560, -31.9740, -11.2747
Hunter-Lab	94.9464, -27.9042, 33.9713

Details

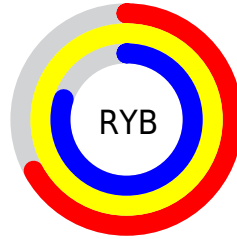
The Yxy color **90.1482, 0.3409, 0.4179** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.0217, 0.2760, 0.2365**, and the grayscale version is **84.0044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **49.9117, 0.3456, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **87.7675, 0.3482, 0.4466**, and if you desaturate by 10%, it is **92.8009, 0.3327, 0.3894**.

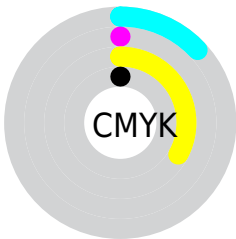
Distribution



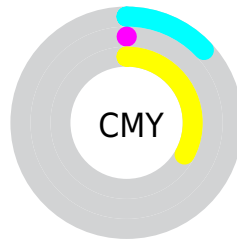
- Red (87%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (80%)



- Cyan (13%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1482, 0.3409, 0.4179 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 90.1482, 0.3409, 0.4179 by changing the saturation by 10% instead.


 90.1482, 0.3409,
0.4179

 90.1482, 0.3409,
0.4179


528.5128, 0.3295,
0.3770

 68.1036, 0.3431,
0.4271


 147.5442, 0.3373,
0.4038

 49.9820, 0.3455,
0.4384


183.6644, 0.3358,
0.3983

 35.3991, 0.3483,
0.4524


225.2453, 0.3344,
0.3935

 23.9705, 0.3513,
0.4704

272.6711, 0.3332,
0.3894

 15.3117, 0.3543,
0.4941

326.3264, 0.3322,
0.3857

 9.0384, 0.3563,
0.5263

386.5955, 0.3312,

 4.7663, 0.3569,

0.3825

0.5749

453.8629, 0.3303,
0.3796

■ 2.1108, 0.3491,
0.6509

■ 0.6707, 0.0716,
0.9284

■ 90.1482, 0.3409,
0.4179

■ 90.1482, 0.3409,
0.4179

■ 87.7675, 0.3482,
0.4466

■ 92.8009, 0.3327,
0.3894

■ 85.6526, 0.3542,
0.4745

■ 95.7430, 0.3240,
0.3620

■ 83.7879, 0.3583,
0.5002

■ 98.9832, 0.3153,
0.3362

■ 82.1586, 0.3601,
0.5223

100.0000, 0.3127,
0.3290

■ 80.7476, 0.3594,
0.5398

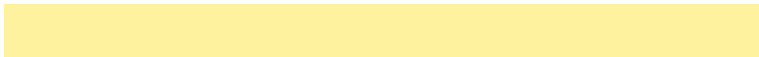
■ 79.5343, 0.3563,
0.5520

■ 78.7784, 0.3530,
0.5579

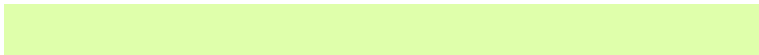
Harmonies

Analogous

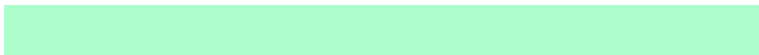
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1482, 0.3840, 0.4100



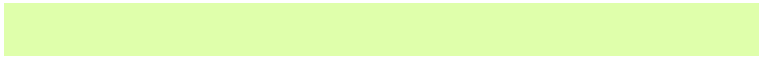
90.1482, 0.3409, 0.4179



90.1482, 0.2922, 0.3963

Triad

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



90.1482, 0.3409, 0.4179



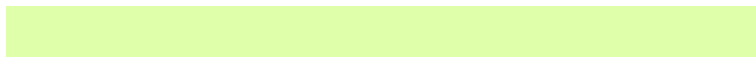
90.1482, 0.2244, 0.2679



90.1482, 0.3758, 0.3046

Complementary

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



90.1482, 0.3409, 0.4179



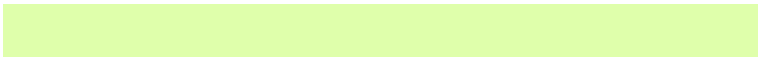
49.0217, 0.2760, 0.2365

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.



90.1482, 0.3280, 0.2730



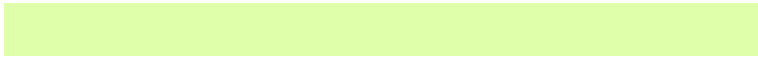
90.1482, 0.3409, 0.4179



90.1482, 0.2425, 0.2514

Square

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



90.1482, 0.3409, 0.4179



90.1482, 0.2273, 0.3034



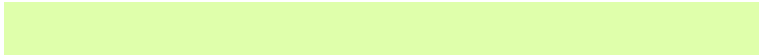
90.1482, 0.2792, 0.2540



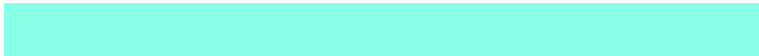
90.1482, 0.4063, 0.3429

Rectangle

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



90.1482, 0.3409, 0.4179



90.1482, 0.2633, 0.3680



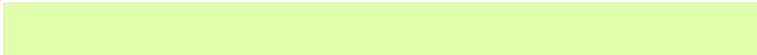
90.1482, 0.2792, 0.2540



90.1482, 0.3610, 0.2930

Sweetspot

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



90.1462, 0.3409, 0.4179



96.6697, 0.3214, 0.3542



66.3339, 0.3793, 0.3612



20.5963, 0.3227, 0.3579



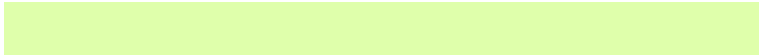
0.0000, 0.0000, 0.0000



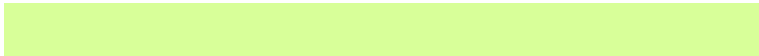
21.4041, 0.3127, 0.3290

Same Dimension

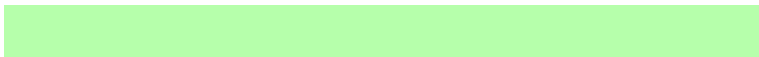
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1462, 0.3409, 0.4179



88.4429, 0.3462, 0.4382



84.4239, 0.3147, 0.4256



20.7251, 0.3210, 0.3529



41.2518, 0.3540, 0.5571



4.0793, 0.3614, 0.5513

Inverse Universe

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



49.0217, 0.2760, 0.2365



41.1883, 0.2661, 0.2143



55.5269, 0.3077, 0.2446



17.7148, 0.3039, 0.3048



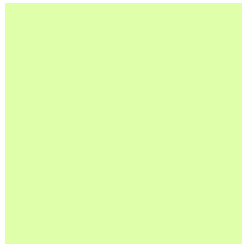
5.1824, 0.1812, 0.0772



0.5649, 0.1937, 0.0841

Previews

White Background



This preview shows how the Yxy color 90.1482, 0.3409, 0.4179 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 90.1482, 0.3409, 0.4179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

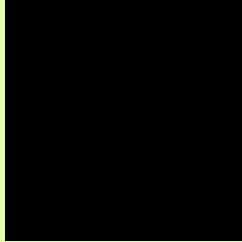
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

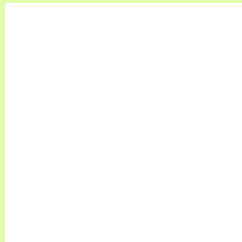
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1482, 0.3409, 0.4179

Background



This preview shows how black text looks on a background with the Yxy color 90.1482, 0.3409, 0.4179.

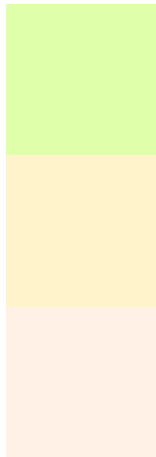


This preview shows how white text looks on a background with the Yxy color 90.1482, 0.3409, 0.4179.

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

90.1482, 0.3409, 0.4179

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

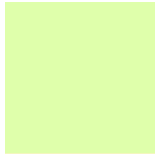
89.8277, 0.3295, 0.3408



Tritanopia

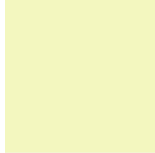
89.6719, 0.3031, 0.3171

Trichromacy



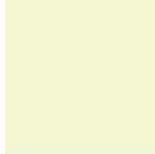
Original Color

90.1482, 0.3409, 0.4179



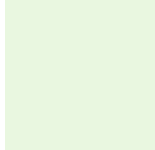
Protanomaly

89.3378, 0.3443, 0.3862



Deuteranomaly

89.5203, 0.3339, 0.3677



Tritanomaly

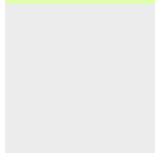
89.2270, 0.3174, 0.3526

Monochromacy



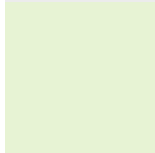
Original Color

90.1482, 0.3409, 0.4179



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8436, 0.3237, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1482, 0.3409, 0.4179 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(223, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 171)  
}
```

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(223, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 90.1482, 0.3409, 0.4179 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(223, 255, 171) }
```

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

```
.border{ border-color:rgb(223, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1482, 0.3409, 0.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 171) }
```

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

```
.background{ background-color: rgb(223,  
255, 171) }
```

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