

Converting Colors

$Y_{xy}(129.9411, 0.3181, 0.4375)$

Have a look what the booklet for
Yxy(129.9411, 0.3181, 0.4375)
contains.

Yxy(90.4109, 0.3234, 0.3917)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.4109, 0.3234, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	DAFFC4
RGB	218, 255, 196
RGB Percent	85%, 100%, 77%
CMY	0.1450, 0.0000, 0.2312
CMYK	0.14, 0.00, 0.23, 0.00
HSL	98°, 100%, 88%
HSV	98°, 23%, 100%
XYZ	74.6461, 90.4109, 65.7597
YIQ	237.2110, -3.1130, -26.1930

Conversions

Conversions Part 2

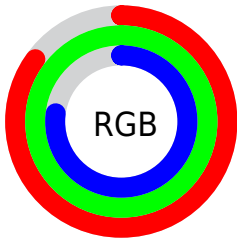
Format	Color
RYB	196, 255, 233
Decimal	14352324
CIELab	96.17, -22.17, 24.34
CIELCh	96, 32.919, 132.332
Yxy	90.4109, 0.3234, 0.3917
Android (android.graphics.Color)	4292542404 (0xFFDAFFC4)
YUV	237.2110, -20.3170, -16.8480
Hunter-Lab	95.0846, -26.2669, 25.5548

Details

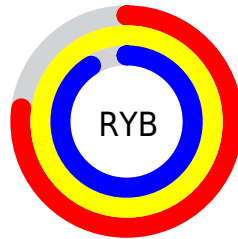
The Yxy color **90.4109, 0.3234, 0.3917** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.0384, 0.2992, 0.2683**, and the grayscale version is **85.0280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **50.1277, 0.3255, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **87.0028, 0.3274, 0.4224**, and if you desaturate by 10%, it is **94.2620, 0.3189, 0.3630**.

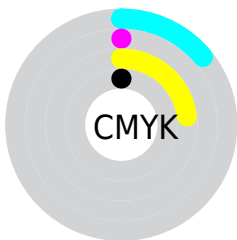
Distribution



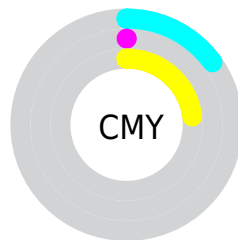
- Red (85%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4109, 0.3234, 0.3917 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 90.4109, 0.3234, 0.3917 by changing the saturation by 10% instead.


 90.4109, 0.3234,
0.3917

 90.4109, 0.3234,
0.3917

529.3666, 0.3192,
0.3628

 68.3215, 0.3242,
0.3982


147.9090, 0.3221,
0.3817

 50.1593, 0.3251,
0.4063


184.0865, 0.3215,
0.3778

 35.5400, 0.3260,
0.4164


225.7288, 0.3210,
0.3745

 24.0791, 0.3270,
0.4295

273.2204, 0.3206,
0.3716

 15.3923, 0.3280,
0.4471

326.9455, 0.3202,
0.3690

 9.0952, 0.3286,
0.4720

387.2887, 0.3198,

 4.8033, 0.3276,

0.3667

0.5092

454.6342, 0.3195,
0.3647

■ 2.1323, 0.3355,
0.5954

■ 0.6827, 0.1363,
0.8637

■ 90.4109, 0.3234,
0.3917

■ 90.4109, 0.3234,
0.3917

■ 87.0028, 0.3274,
0.4224

■ 94.2620, 0.3189,
0.3630

■ 84.0092, 0.3306,
0.4543

■ 98.5600, 0.3142,
0.3367

■ 81.4162, 0.3326,
0.4860

■ 99.9980, 0.3127,
0.3290

■ 79.2045, 0.3330,
0.5159

■ 77.3529, 0.3317,
0.5422

■ 75.8378, 0.3285,
0.5631

■ 74.6314, 0.3237,
0.5776

■ 73.9574, 0.3199,
0.5842

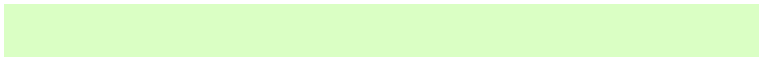
Harmonies

Analogous

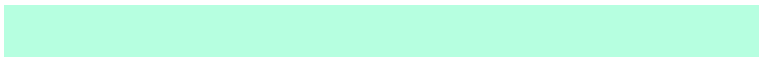
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4109, 0.3580, 0.3936



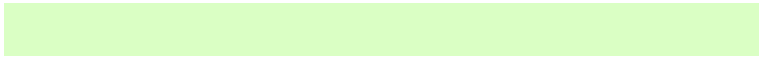
90.4109, 0.3234, 0.3917



90.4109, 0.2872, 0.3696

Triad

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



90.4109, 0.3234, 0.3917



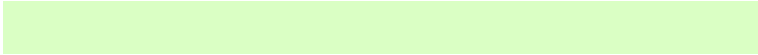
90.4109, 0.2479, 0.2776



90.4109, 0.3687, 0.3198

Complementary

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



90.4109, 0.3234, 0.3917



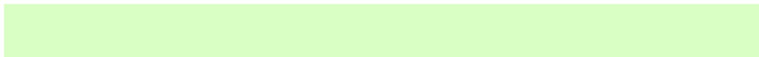
64.0384, 0.2992, 0.2683

Split Complementary

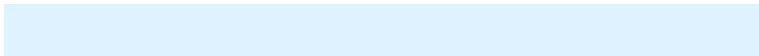
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4109, 0.3362, 0.2929



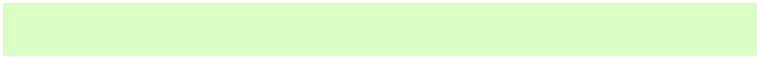
90.4109, 0.3234, 0.3917



90.4109, 0.2668, 0.2688

Square

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



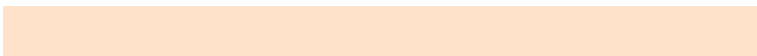
90.4109, 0.3234, 0.3917



90.4109, 0.2451, 0.3010



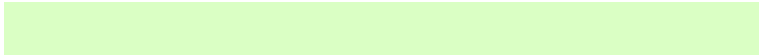
90.4109, 0.2986, 0.2746



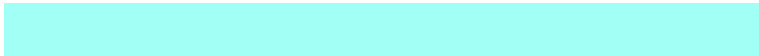
90.4109, 0.3855, 0.3500

Rectangle

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



90.4109, 0.3234, 0.3917



90.4109, 0.2671, 0.3471



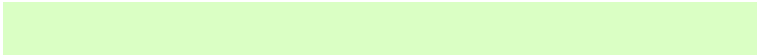
90.4109, 0.2986, 0.2746



90.4109, 0.3591, 0.3101

Sweetspot

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



90.4148, 0.3234, 0.3917



96.8421, 0.3160, 0.3466



83.1817, 0.3525, 0.3657



20.6722, 0.3163, 0.3482



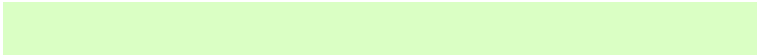
0.0000, 0.0000, 0.0000



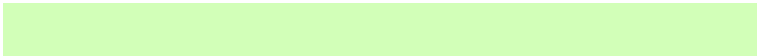
21.4041, 0.3127, 0.3290

Same Dimension

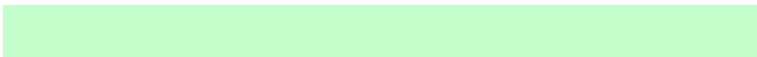
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4148, 0.3234, 0.3917



88.7000, 0.3254, 0.4065



87.5658, 0.3059, 0.3865



20.4981, 0.3172, 0.3532



38.7233, 0.3210, 0.5833



3.8302, 0.3297, 0.5764

Inverse Universe

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



64.0384, 0.2992, 0.2683



57.8888, 0.2957, 0.2546



67.5388, 0.3204, 0.2776



17.9420, 0.3078, 0.3051



7.7591, 0.2290, 0.1035



0.8178, 0.2394, 0.1092

Previews

White Background



This preview shows how the Yxy color 90.4109, 0.3234, 0.3917 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 90.4109, 0.3234, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

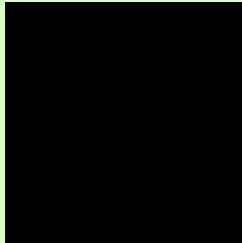
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

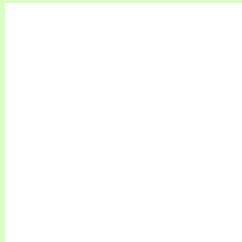
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4109, 0.3234, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 90.4109, 0.3234, 0.3917.

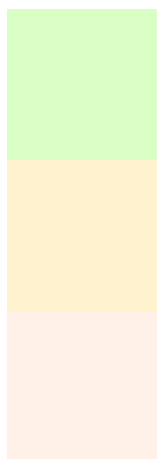


This preview shows how white text looks on a background with the Yxy color 90.4109, 0.3234, 0.3917.

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

90.4109, 0.3234, 0.3917

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

89.9968, 0.3276, 0.3379



Tritanopia

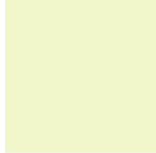
90.3577, 0.3012, 0.3191

Trichromacy



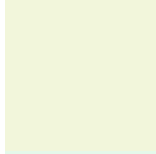
Original Color

90.4109, 0.3234, 0.3917



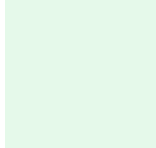
Protanomaly

89.7106, 0.3362, 0.3739



Deuteranomaly

89.9033, 0.3264, 0.3563



Tritanomaly

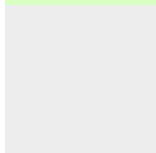
90.3499, 0.3088, 0.3443

Monochromacy



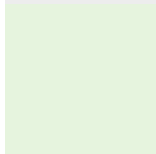
Original Color

90.4109, 0.3234, 0.3917



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7983, 0.3168, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4109, 0.3234, 0.3917 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(218, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 196)  
}
```

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(218, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 90.4109, 0.3234, 0.3917 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(218, 255, 196) }
```

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

```
.border{ border-color:rgb(218, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4109, 0.3234, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 196) }
```

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

```
.background{ background-color: rgb(218,  
255, 196) }
```

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