

# Converting Colors

$Yxy(82.1803, 0.3084, 0.3417)$

Have a look what the booklet for  
Yxy(82.1803, 0.3084, 0.3417)  
contains.

<b>Yxy(82.0122, 0.3088, 0.3417)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.0122, 0.3088, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEEE2
RGB	221, 238, 226
RGB Percent	87%, 93%, 89%
CMY	0.1334, 0.0666, 0.1137
CMYK	0.07, 0.00, 0.05, 0.07
HSL	138°, 33%, 90%
HSV	138°, 7%, 93%
XYZ	74.1158, 82.0122, 83.8843
YIQ	231.5490, -6.2800, -7.3360

# Conversions

## Conversions Part 2

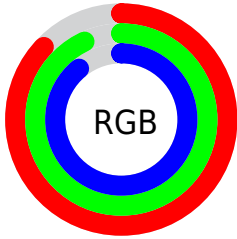
Format	Color
R <sub>Y</sub> B	221, 234, 238
Decimal	14544610
CIE Lab	92.58, -7.80, 3.86
CIE LCh	93, 8.707, 153.669
Yxy	82.0122, 0.3088, 0.3417
Android (android.graphics.Color)	4292734690 (0xFFDDEEE2)
YUV	231.5490, -2.7357, -9.2515
Hunter-Lab	90.5606, -12.3946, 8.4734

# Details

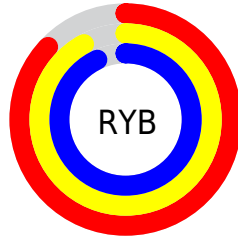
The Yxy color **82.0122, 0.3088, 0.3417** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.7595, 0.3169, 0.3166**, and the grayscale version is **80.3654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5032, 0.3078, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **77.6656, 0.3034, 0.3614**, and if you desaturate by 10%, it is **86.9853, 0.3143, 0.3243**.

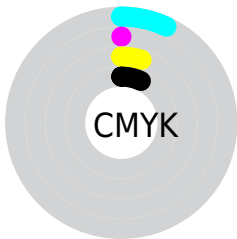
# Distribution



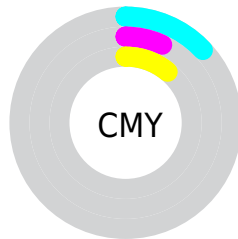
- Red (87%)
- Green (93%)
- Blue (89%)



- Red (87%)
- Yellow (92%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0122, 0.3088, 0.3417 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 82.0122, 0.3088, 0.3417 by changing the saturation by 10% instead.



82.0122, 0.3088,  
0.3417

82.0122, 0.3088,  
0.3417

501.6885, 0.3106,  
0.3359

61.3756, 0.3084,  
0.3430

136.1911, 0.3094,  
0.3397

44.5284, 0.3079,  
0.3446

170.5022, 0.3097,  
0.3389

31.0861, 0.3072,  
0.3467

210.1402, 0.3099,  
0.3382

20.6644, 0.3064,  
0.3493

255.4896, 0.3101,  
0.3377

12.8789, 0.3053,  
0.3529

306.9347, 0.3102,  
0.3371

7.3452, 0.3036,  
0.3580

364.8600, 0.3104,

3.6789, 0.3011,

0.3367

0.3659

429.6498, 0.3105,  
0.3363

■ 1.4956, 0.2966,  
0.3797

■ 0.2856, 0.1987,  
0.7007

■ 82.0122, 0.3088,  
0.3417

■ 82.0122, 0.3088,  
0.3417

■ 77.6656, 0.3034,  
0.3614

■ 86.9853, 0.3143,  
0.3243

■ 73.9103, 0.2981,  
0.3834

■ 89.6360, 0.3135,  
0.3127

■ 70.7234, 0.2933,  
0.4076

■ 68.0764, 0.2892,  
0.4336

■ 65.9384, 0.2861,  
0.4607

■ 64.2751, 0.2844,  
0.4879

■ 63.0481, 0.2843,  
0.5141

■ 62.2122, 0.2859,  
0.5379

■ 61.7101, 0.2889,  
0.5581

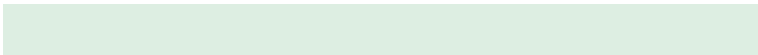
# Harmonies

## Analogous

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



82.0122, 0.3190, 0.3462



82.0122, 0.3088, 0.3417



82.0122, 0.2998, 0.3337

# Triad

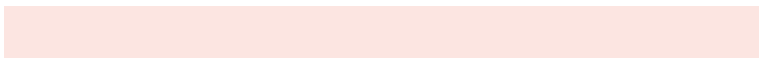
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0122, 0.3088, 0.3417



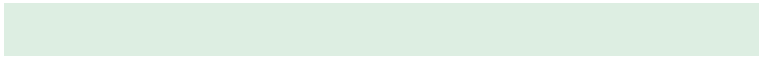
82.0122, 0.2979, 0.3124



82.0122, 0.3315, 0.3331

# Complementary

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



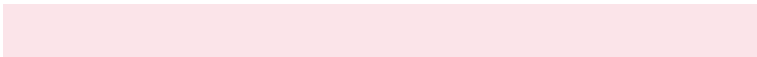
82.0122, 0.3088, 0.3417



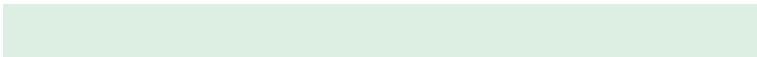
75.7595, 0.3169, 0.3166

# 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.



82.0122, 0.3257, 0.3243



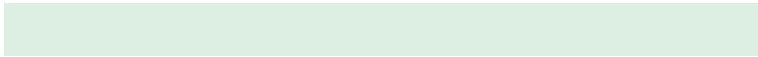
82.0122, 0.3088, 0.3417



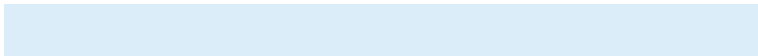
82.0122, 0.3063, 0.3125

# Square

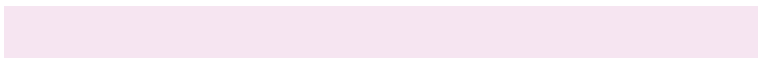
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



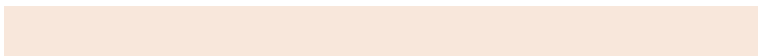
82.0122, 0.3088, 0.3417



82.0122, 0.2936, 0.3167



82.0122, 0.3164, 0.3168



82.0122, 0.3322, 0.3410



# Rectangle

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



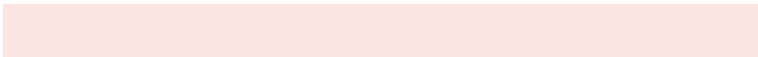
82.0122, 0.3088, 0.3417



82.0122, 0.2956, 0.3275



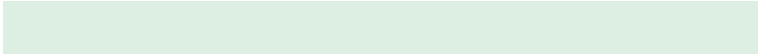
82.0122, 0.3164, 0.3168



82.0122, 0.3301, 0.3302

# Sweetspot

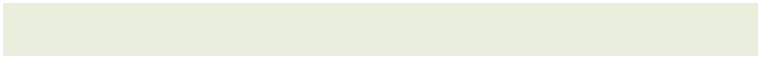
The Sweet Spot groups the original color and five complimentary colors.



82.0157, 0.3088, 0.3417



98.8164, 0.3116, 0.3324



83.7297, 0.3200, 0.3467



21.1632, 0.3117, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

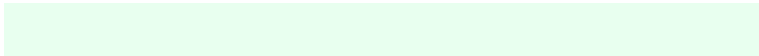


# Same Dimension

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



82.0157, 0.3088, 0.3417



94.9067, 0.3078, 0.3452



82.4828, 0.3038, 0.3329



17.7333, 0.3075, 0.3461



34.3844, 0.2890, 0.5605



2.8773, 0.2818, 0.5344



# Inverse Universe

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



75.7595, 0.3169, 0.3166



85.7917, 0.3180, 0.3133



75.2960, 0.3224, 0.3252



15.9471, 0.3183, 0.3125



11.7334, 0.4130, 0.2049

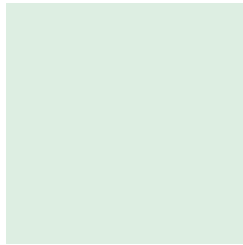


0.9935, 0.3979, 0.1966



# Previews

## White Background



This preview shows how the Yxy color 82.0122, 0.3088, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

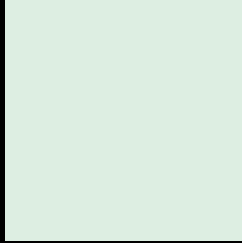
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0122, 0.3088, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

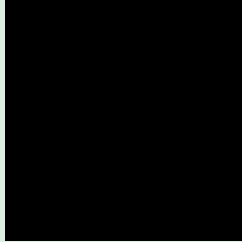
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

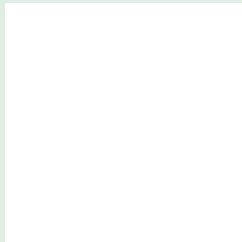
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0122, 0.3088, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0122, 0.3088, 0.3417.

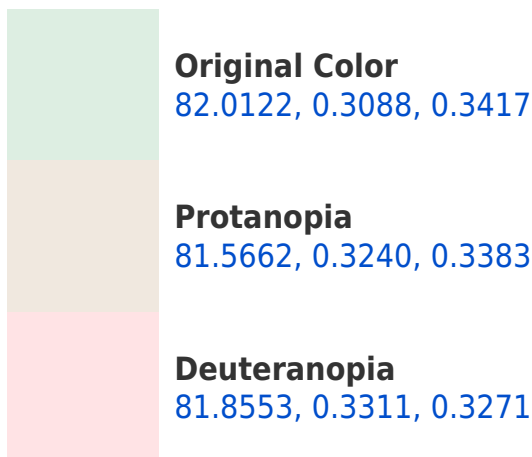


This preview shows how white text looks on a background with the Yxy color 82.0122, 0.3088, 0.3417.

# 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

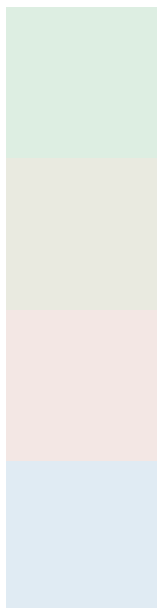




## Tritanopia

81.9450, 0.2954, 0.3095

# Trichromacy



## Original Color

82.0122, 0.3088, 0.3417

## Protanomaly

81.5511, 0.3183, 0.3394

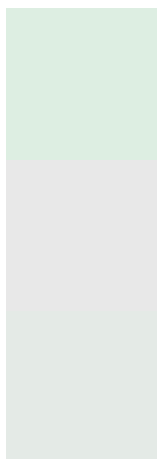
## Deuteranomaly

81.8080, 0.3229, 0.3321

## Tritanomaly

81.7350, 0.3006, 0.3207

# Monochromacy



## Original Color

82.0122, 0.3088, 0.3417

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.0528, 0.3112, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0122, 0.3088, 0.3417 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(221, 238, 226)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 226)  
}
```

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(221, 238, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0122, 0.3088, 0.3417 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(221, 238, 226) }
```

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

```
.border{ border-color:rgb(221, 238, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 226);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0122, 0.3088, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 226) }
```

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

```
.background{ background-color: rgb(221,  
238, 226) }
```

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