

# Converting Colors

Yxy(82.1601, 0.3069, 0.3381)

Have a look what the booklet for  
Yxy(82.1601, 0.3069, 0.3381)  
contains.

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# Color

**Yxy(82.1784, 0.3070, 0.3385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEEE5
RGB	221, 238, 229
RGB Percent	87%, 93%, 90%
CMY	0.1334, 0.0666, 0.1020
CMYK	0.07, 0.00, 0.04, 0.07
HSL	148°, 33%, 90%
HSV	148°, 7%, 93%
XYZ	74.5311, 82.1784, 86.0628
YIQ	231.8910, -7.2430, -6.4030

# Conversions

## Conversions Part 2

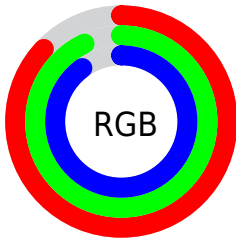
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 233, 238
Decimal	14544613
CIE Lab	92.65, -7.26, 2.41
CIE LCh	93, 7.652, 161.606
Yxy	82.1784, 0.3070, 0.3385
Android (android.graphics.Color)	4292734693 (0xFFDDEEE5)
YUV	231.8910, -1.4253, -9.5514
Hunter-Lab	90.6523, -11.8852, 7.1683

# Details

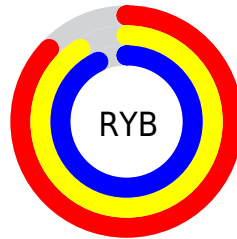
The Yxy color **82.1784, 0.3070, 0.3385** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.5934, 0.3189, 0.3197**, and the grayscale version is **80.6249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6189, 0.3055, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **78.0293, 0.2992, 0.3532**, and if you desaturate by 10%, it is **86.9150, 0.3150, 0.3254**.

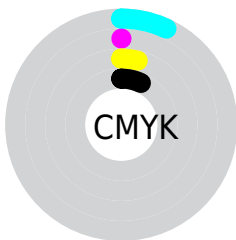
# Distribution



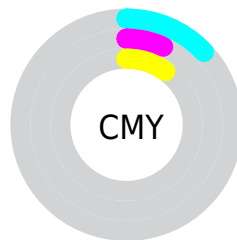
- Red (87%)
- Green (93%)
- Blue (90%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1784, 0.3070, 0.3385 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 82.1784, 0.3070, 0.3385 by changing the saturation by 10% instead.



82.1784, 0.3070,  
0.3385

82.1784, 0.3070,  
0.3385

502.2442, 0.3096,  
0.3342

61.5126, 0.3064,  
0.3395

136.4242, 0.3079,  
0.3370

44.6390, 0.3057,  
0.3407

170.7729, 0.3082,  
0.3364

31.1732, 0.3048,  
0.3422

210.4514, 0.3086,  
0.3359

20.7307, 0.3036,  
0.3441

255.8441, 0.3088,  
0.3355

12.9273, 0.3020,  
0.3468

307.3353, 0.3091,  
0.3351

7.3785, 0.2998,  
0.3506

365.3095, 0.3093,

3.6999, 0.2963,

0.3348

0.3563

430.1510, 0.3094,  
0.3344

■ 1.5072, 0.2904,  
0.3664

■ 0.2938, 0.1865,  
0.5373

■ 82.1784, 0.3070,  
0.3385

■ 82.1784, 0.3070,  
0.3385

■ 78.0293, 0.2992,  
0.3532

■ 86.9150, 0.3150,  
0.3254

■ 74.4342, 0.2917,  
0.3694

■ 89.5832, 0.3140,  
0.3134

■ 71.3715, 0.2849,  
0.3872

■ 89.6358, 0.3135,  
0.3127

■ 68.8145, 0.2791,  
0.4064

■ 66.7341, 0.2746,  
0.4267

■ 65.0980, 0.2717,  
0.4476

■ 63.8697, 0.2708,  
0.4685

■ 63.0065, 0.2719,  
0.4889

■ 62.4533, 0.2749,  
0.5079

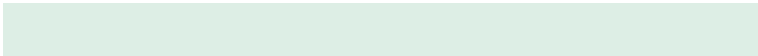
# Harmonies

## Analogous

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



82.1784, 0.3159, 0.3434



82.1784, 0.3070, 0.3385



82.1784, 0.2997, 0.3310

# Triad

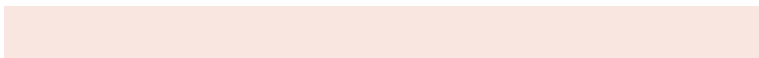
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1784, 0.3070, 0.3385



82.1784, 0.3014, 0.3140



82.1784, 0.3299, 0.3346

# Complementary

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



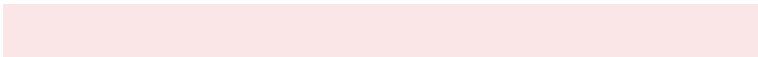
82.1784, 0.3070, 0.3385



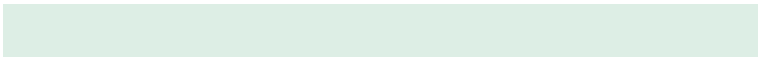
75.5934, 0.3189, 0.3197

# 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.



82.1784, 0.3259, 0.3269



82.1784, 0.3070, 0.3385



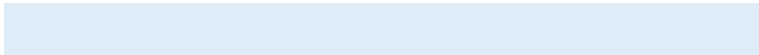
82.1784, 0.3094, 0.3151

# Square

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



82.1784, 0.3070, 0.3385



82.1784, 0.2965, 0.3168



82.1784, 0.3183, 0.3198

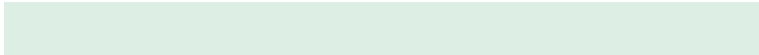


82.1784, 0.3292, 0.3410



# Rectangle

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



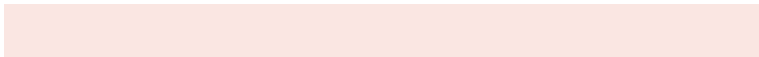
82.1784, 0.3070, 0.3385



82.1784, 0.2967, 0.3256



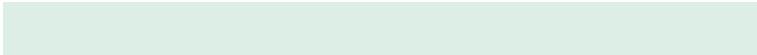
82.1784, 0.3183, 0.3198



82.1784, 0.3290, 0.3321

# Sweetspot

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



82.1819, 0.3070, 0.3385



98.8730, 0.3111, 0.3316



83.2086, 0.3179, 0.3468



21.1747, 0.3112, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

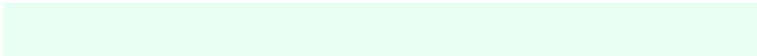


# Same Dimension

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



82.1819, 0.3070, 0.3385



95.1468, 0.3055, 0.3411



82.6650, 0.3020, 0.3296



17.7804, 0.3052, 0.3418



34.7947, 0.2751, 0.5103



2.9145, 0.2682, 0.4854



# Inverse Universe

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



75.5934, 0.3189, 0.3197



85.5446, 0.3206, 0.3172



75.1305, 0.3245, 0.3284



15.8986, 0.3210, 0.3166



11.0063, 0.4836, 0.2438

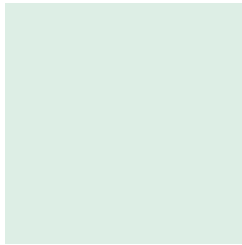


0.9357, 0.4563, 0.2287



# Previews

## White Background



This preview shows how the Yxy color 82.1784, 0.3070, 0.3385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

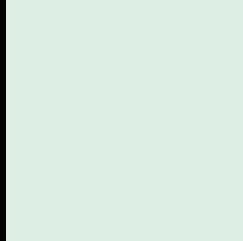
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1784, 0.3070, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

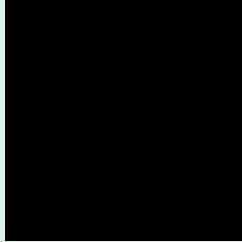
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

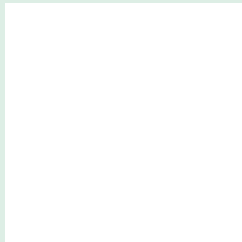
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1784, 0.3070, 0.3385**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1784, 0.3070, 0.3385.

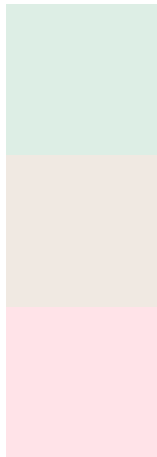


This preview shows how white text looks on a background with the Yxy color 82.1784, 0.3070, 0.3385.

# 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

82.1784, 0.3070, 0.3385

### Protanopia

82.2941, 0.3219, 0.3362

### Deuteranopia

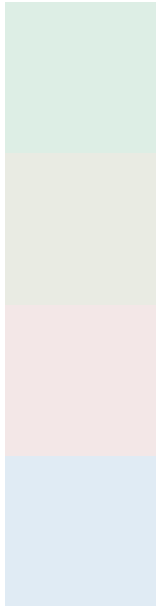
82.0244, 0.3290, 0.3241



## Tritanopia

81.9450, 0.2954, 0.3095

# Trichromacy



**Original Color**

82.1784, 0.3070, 0.3385

**Protanomaly**

82.2864, 0.3164, 0.3373

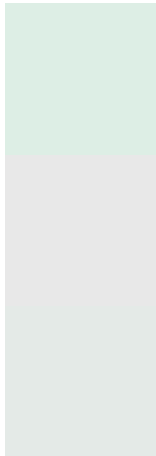
**Deuteranomaly**

81.9760, 0.3209, 0.3290

**Tritanomaly**

81.7956, 0.3000, 0.3196

# Monochromacy



**Original Color**

82.1784, 0.3070, 0.3385

**Achromatopsia**

80.6952, 0.3127, 0.3290

**Achromatomaly**

81.1091, 0.3106, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1784, 0.3070, 0.3385 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1784, 0.3070, 0.3385 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, 229) }
```

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

```
.border{ border-color:rgb(221, 238, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 229);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1784, 0.3070, 0.3385 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, 229) }
```

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

```
.background{ background-color: rgb(221,  
238, 229) }
```

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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