

# Converting Colors

Yxy(84.6136, 0.3136, 0.3478)

Have a look what the booklet for  
Yxy(84.6136, 0.3136, 0.3478)  
contains.

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# Color

**Yxy(84.4071, 0.3138, 0.3479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F1DF
RGB	226, 241, 223
RGB Percent	89%, 95%, 87%
CMY	0.1138, 0.0549, 0.1256
CMYK	0.06, 0.00, 0.07, 0.05
HSL	110°, 39%, 91%
HSV	110°, 7%, 95%
XYZ	76.1338, 84.4071, 82.0780
YIQ	234.4630, -3.1620, -8.7780

# Conversions

## Conversions Part 2

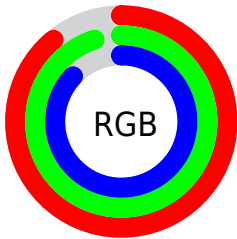
Format	Color
<a href="#">RYB</a>	<a href="#">223, 241, 238</a>
Decimal	<a href="#">14873055</a>
CIELab	<a href="#">93.63, -8.18, 6.99</a>
CIELCh	<a href="#">94, 10.758, 139.462</a>
Yxy	<a href="#">84.4071, 0.3138, 0.3479</a>
Android (android.graphics.Color)	<a href="#">4293063135</a> ( <a href="#">0xFFE2F1DF</a> )
YUV	<a href="#">234.4630, -5.6513, -7.4221</a>
Hunter-Lab	<a href="#">91.8733, -12.8586, 11.3427</a>

# Details

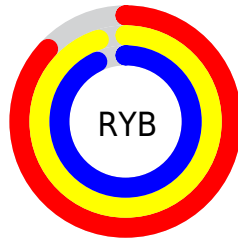
The Yxy color **84.4071, 0.3138, 0.3479** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.2953, 0.3115, 0.3106**, and the grayscale version is **82.6942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1830, 0.3142, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **80.1436, 0.3151, 0.3759**, and if you desaturate by 10%, it is **89.2431, 0.3123, 0.3230**.

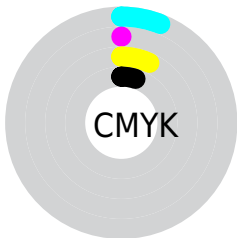
# Distribution



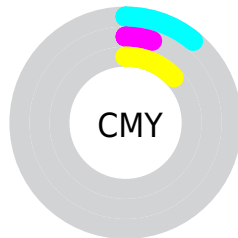
- Red (89%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4071, 0.3138, 0.3479 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 84.4071, 0.3138, 0.3479 by changing the saturation by 10% instead.



84.4071, 0.3138,  
0.3479

84.4071, 0.3138,  
0.3479

509.6641, 0.3134,  
0.3393

63.3516, 0.3139,  
0.3498

139.5445, 0.3137,  
0.3449

46.1257, 0.3140,  
0.3522

174.3952, 0.3136,  
0.3438

32.3450, 0.3141,  
0.3552

214.6131, 0.3136,  
0.3428

21.6252, 0.3142,  
0.3592

260.5826, 0.3135,  
0.3419

13.5817, 0.3144,  
0.3644

312.6880, 0.3135,  
0.3411

7.8303, 0.3145,  
0.3719

371.3138, 0.3134,

3.9866, 0.3146,

0.3404

0.3834

436.8444, 0.3134,  
0.3398

1.6661, 0.3143,  
0.4033

0.4015, 0.3120,  
0.6880

84.4071, 0.3138,  
0.3479

84.4071, 0.3138,  
0.3479

80.1436, 0.3151,  
0.3759

89.2431, 0.3123,  
0.3230

76.4209, 0.3161,  
0.4068

91.3969, 0.3133,  
0.3156

73.2204, 0.3166,  
0.4400

70.5186, 0.3166,  
0.4744

■ 68.2898, 0.3158,  
0.5083

■ 66.5062, 0.3141,  
0.5393

■ 65.1369, 0.3116,  
0.5651

■ 64.1470, 0.3085,  
0.5838

■ 63.4940, 0.3051,  
0.5946

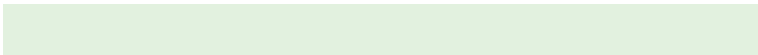
# Harmonies

## Analogous

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



84.4071, 0.3258, 0.3507



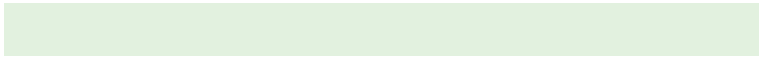
84.4071, 0.3138, 0.3479



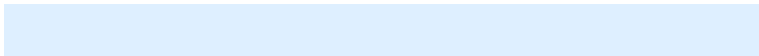
84.4071, 0.3017, 0.3398

# Triad

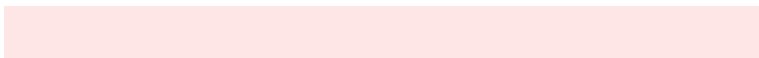
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4071, 0.3138, 0.3479



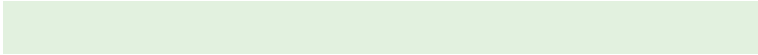
84.4071, 0.2914, 0.3105



84.4071, 0.3331, 0.3288

# Complementary

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



84.4071, 0.3138, 0.3479



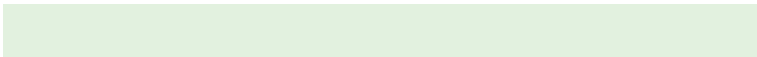
77.2953, 0.3115, 0.3106

# 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.



84.4071, 0.3236, 0.3186



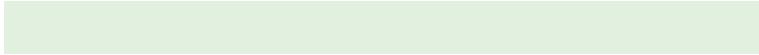
84.4071, 0.3138, 0.3479



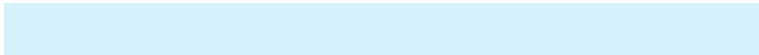
84.4071, 0.2995, 0.3081

# Square

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



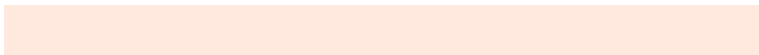
84.4071, 0.3138, 0.3479



84.4071, 0.2890, 0.3179



84.4071, 0.3113, 0.3111

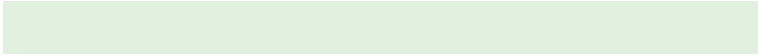


84.4071, 0.3371, 0.3393



# Rectangle

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



84.4071, 0.3138, 0.3479



84.4071, 0.2952, 0.3325



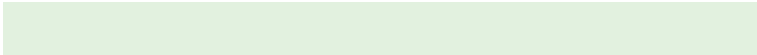
84.4071, 0.3113, 0.3111



84.4071, 0.3304, 0.3253

# Sweetspot

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



84.4107, 0.3138, 0.3479



98.8788, 0.3130, 0.3339



85.0071, 0.3241, 0.3440



21.1759, 0.3130, 0.3337



0.0000, 0.0000, 0.0000

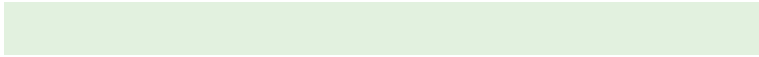


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.4107, 0.3138, 0.3479



95.1610, 0.3140, 0.3520



84.2420, 0.3084, 0.3419



17.7830, 0.3141, 0.3532



34.4005, 0.3051, 0.5960



2.8984, 0.3127, 0.5899



# Inverse Universe

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



77.2953, 0.3115, 0.3106



85.5026, 0.3112, 0.3067



77.4843, 0.3173, 0.3164



15.8902, 0.3111, 0.3055



10.2139, 0.2791, 0.1311

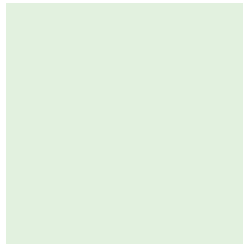


0.8847, 0.2849, 0.1343



# Previews

## White Background



This preview shows how the Yxy color 84.4071, 0.3138, 0.3479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

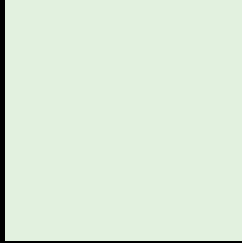
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.4071, 0.3138, 0.3479 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

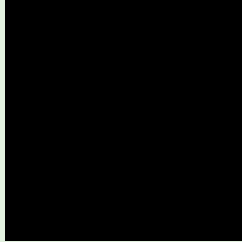
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

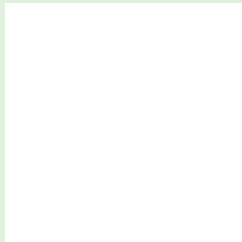
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.4071, 0.3138, 0.3479**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.4071, 0.3138, 0.3479.

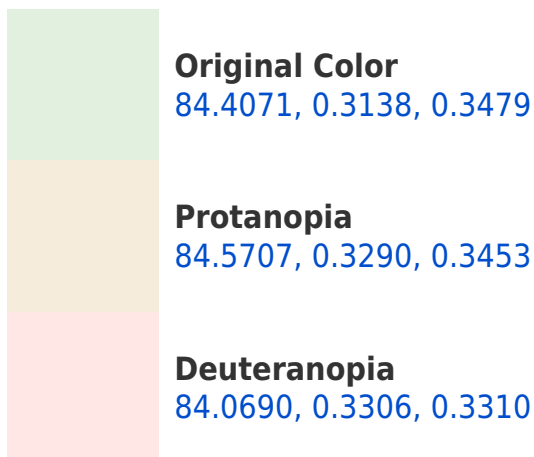


This preview shows how white text looks on a background with the Yxy color 84.4071, 0.3138, 0.3479.

# 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

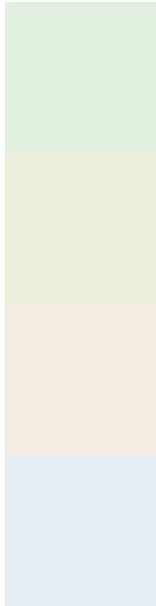




## Tritanopia

84.1998, 0.2980, 0.3098

# Trichromacy



## Original Color

84.4071, 0.3138, 0.3479

## Protanomaly

84.5467, 0.3233, 0.3465

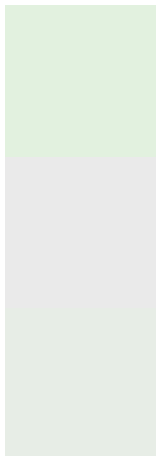
## Deuteranomaly

84.1958, 0.3239, 0.3371

## Tritanomaly

84.2781, 0.3038, 0.3239

# Monochromacy



## Original Color

84.4071, 0.3138, 0.3479

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

83.2705, 0.3130, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.4071, 0.3138, 0.3479 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(226, 241, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 241, 223)  
}
```

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(226, 241, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 241, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 84.4071, 0.3138, 0.3479 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(226, 241, 223) }
```

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

```
.border{ border-color:rgb(226, 241, 223) }
```

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

Here you see how a box with a 4 pixel rgb(226, 241, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 241, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 241, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 241,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.4071, 0.3138, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 241, 223) }
```

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

```
.background{ background-color: rgb(226,  
241, 223) }
```

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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