

# Converting Colors

Yxy(86.4532, 0.3119, 0.3507)

Have a look what the booklet for  
Yxy(86.4532, 0.3119, 0.3507)  
contains.

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# Color

**Yxy(86.5339, 0.3117, 0.3510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F5E0
RGB	224, 245, 224
RGB Percent	88%, 96%, 88%
CMY	0.1216, 0.0392, 0.1217
CMYK	0.09, 0.00, 0.09, 0.04
HSL	120°, 51%, 92%
HSV	120°, 9%, 96%
XYZ	76.8451, 86.5339, 83.1564
YIQ	236.3270, -5.7750, -10.9830

# Conversions

## Conversions Part 2

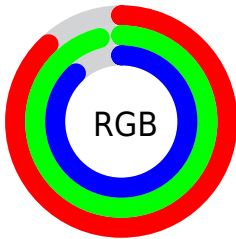
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 245, 245
Decimal	14743008
CIELab	94.54, -10.67, 7.77
CIElCh	95, 13.201, 143.928
Yxy	86.5339, 0.3117, 0.3510
Android (android.graphics.Color)	4292933088 (0xFFE0F5E0)
YUV	236.3270, -6.0772, -10.8108
Hunter-Lab	93.0236, -15.3358, 12.1155

# Details

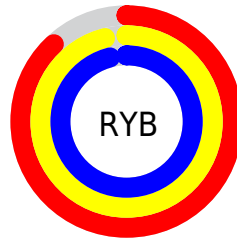
The Yxy color **86.5339, 0.3117, 0.3510** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3016, 0.3137, 0.3079**, and the grayscale version is **84.1964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6948, 0.3114, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **81.6699, 0.3104, 0.3799**, and if you desaturate by 10%, it is **92.1596, 0.3129, 0.3256**.

# Distribution



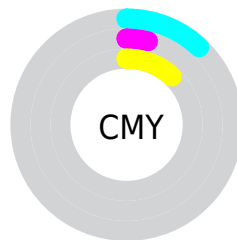
- Red (88%)
- Green (96%)
- Blue (88%)



- Red (88%)
- Yellow (96%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)




- Cyan (12%)
- Magenta (4%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5339, 0.3117, 0.3510 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 86.5339, 0.3117, 0.3510 by changing the saturation by 10% instead.



 86.5339, 0.3117,  
0.3510

 86.5339, 0.3117,  
0.3510


516.6900, 0.3122,  
0.3410

 65.1096, 0.3116,  
0.3533


142.5143, 0.3119,  
0.3475

 47.5499, 0.3114,  
0.3560


177.8391, 0.3120,  
0.3462

 33.4706, 0.3112,  
0.3595


218.5663, 0.3120,  
0.3450

 22.4872, 0.3108,  
0.3640

265.0801, 0.3121,  
0.3440

 14.2153, 0.3104,  
0.3701

317.7650, 0.3121,  
0.3431

 8.2706, 0.3096,  
0.3788


377.0053, 0.3122,


 4.2686, 0.3084,


0.3423


0.3920


443.1856, 0.3122,  
0.3416


 1.8249, 0.3058,  
0.4146


 0.5026, 0.3002,  
0.6945


 86.5339, 0.3117,  
0.3510

 86.5339, 0.3117,  
0.3510


 81.6699, 0.3104,  
0.3799

 92.1596, 0.3129,  
0.3256

 77.5243, 0.3089,  
0.4122

 93.7893, 0.3132,  
0.3194

 74.0666, 0.3072,  
0.4472

 71.2594, 0.3055,  
0.4834

■ 69.0622, 0.3039,  
0.5186

■ 67.4297, 0.3024,  
0.5501

■ 66.3103, 0.3012,  
0.5750

■ 65.6431, 0.3004,  
0.5914

■ 65.3411, 0.3001,  
0.5992

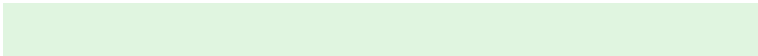
# Harmonies

## Analogous

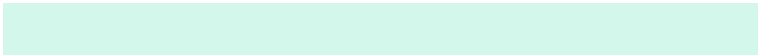
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5339, 0.3265, 0.3554



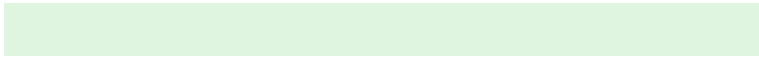
86.5339, 0.3117, 0.3510



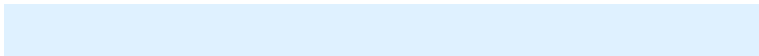
86.5339, 0.2974, 0.3402

# Triad

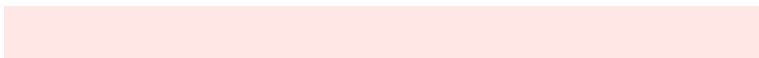
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5339, 0.3117, 0.3510



86.5339, 0.2880, 0.3056



86.5339, 0.3388, 0.3307

# Complementary

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



86.5339, 0.3117, 0.3510



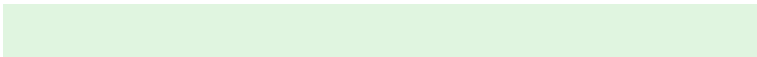
79.3016, 0.3137, 0.3079

# 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.



86.5339, 0.3280, 0.3181



86.5339, 0.3117, 0.3510



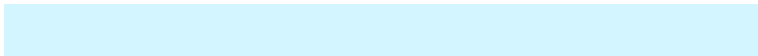
86.5339, 0.2986, 0.3038

# Square

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



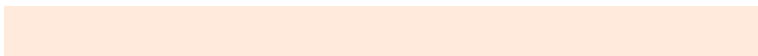
86.5339, 0.3117, 0.3510



86.5339, 0.2839, 0.3138



86.5339, 0.3132, 0.3083

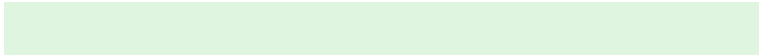


86.5339, 0.3424, 0.3432

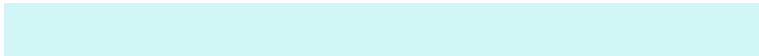


# Rectangle

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



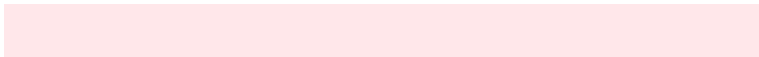
86.5339, 0.3117, 0.3510



86.5339, 0.2900, 0.3311



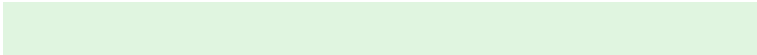
86.5339, 0.3132, 0.3083



86.5339, 0.3359, 0.3263

# Sweetspot

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



86.5376, 0.3117, 0.3510



98.0965, 0.3124, 0.3364



89.8918, 0.3255, 0.3498



20.8906, 0.3123, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

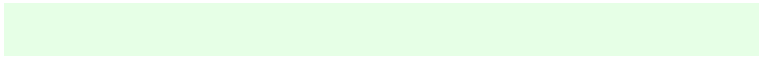


# Same Dimension

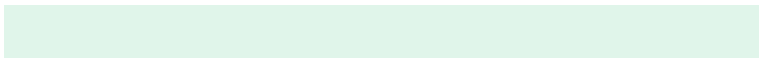
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5376, 0.3117, 0.3510



93.9505, 0.3115, 0.3549



87.1017, 0.3057, 0.3402



18.4730, 0.3116, 0.3535



35.1825, 0.3000, 0.6000



3.0925, 0.3001, 0.5999



# Inverse Universe

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



79.3016, 0.3137, 0.3079



84.7900, 0.3139, 0.3044



78.7022, 0.3204, 0.3180



16.7673, 0.3138, 0.3057



13.9817, 0.3206, 0.1540

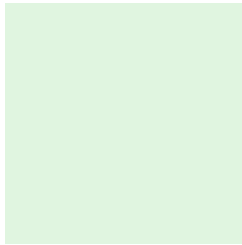


1.2292, 0.3207, 0.1540



# Previews

## White Background



This preview shows how the Yxy color 86.5339, 0.3117, 0.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

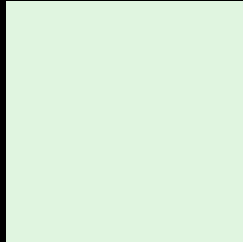
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.5339, 0.3117, 0.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

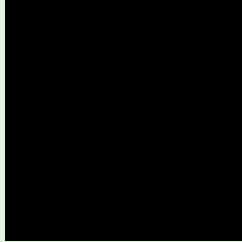
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

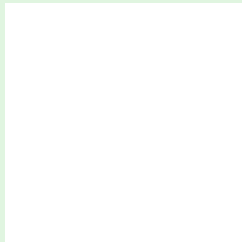
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.5339, 0.3117, 0.3510**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.5339, 0.3117, 0.3510.

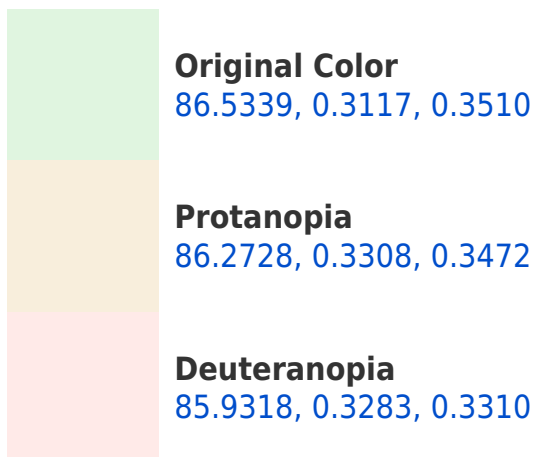


This preview shows how white text looks on a background with the Yxy color 86.5339, 0.3117, 0.3510.

# 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

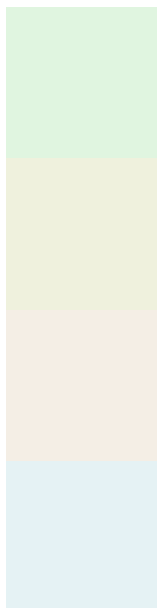




## Tritanopia

86.6960, 0.2987, 0.3139

# Trichromacy



## Original Color

86.5339, 0.3117, 0.3510

## Protanomaly

86.4818, 0.3237, 0.3495

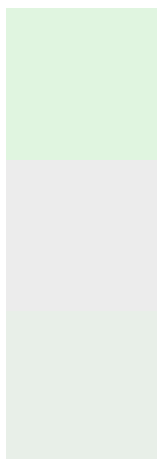
## Deuteranomaly

86.0393, 0.3223, 0.3381

## Tritanomaly

86.6939, 0.3032, 0.3269

# Monochromacy



## Original Color

86.5339, 0.3117, 0.3510

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.7150, 0.3124, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.5339, 0.3117, 0.3510 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(224, 245, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 245, 224)  
}
```

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(224, 245, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 245, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 86.5339, 0.3117, 0.3510 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(224, 245, 224) }
```

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

```
.border{ border-color:rgb(224, 245, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 245, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 245, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 245, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 245,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.5339, 0.3117, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 245, 224) }
```

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

```
.background{ background-color: rgb(224,  
245, 224) }
```

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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