

# Converting Colors

$Yxy(86.3051, 0.3112, 0.3399)$

Have a look what the booklet for  
Yxy(86.3051, 0.3112, 0.3399)  
contains.

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# Color

**Yxy(86.1535, 0.3109, 0.3393)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6F2E8
RGB	230, 242, 232
RGB Percent	90%, 95%, 91%
CMY	0.0982, 0.0509, 0.0902
CMYK	0.05, 0.00, 0.04, 0.05
HSL	130°, 32%, 93%
HSV	130°, 5%, 95%
XYZ	78.9423, 86.1535, 88.8196
YIQ	237.2720, -3.9420, -5.6540

# Conversions

## Conversions Part 2

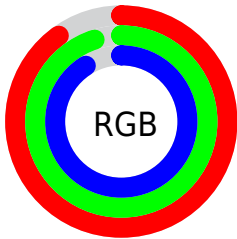
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	230, 240, 242
Decimal	15135464
CIE Lab	94.38, -5.77, 3.43
CIE LCh	94, 6.716, 149.248
Yxy	86.1535, 0.3109, 0.3393
Android (android.graphics.Color)	4293325544 (0xFFE6F2E8)
YUV	237.2720, -2.5991, -6.3775
Hunter-Lab	92.8189, -10.6192, 8.2379

# Details

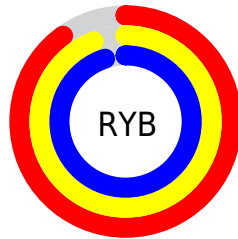
The Yxy color **86.1535, 0.3109, 0.3393** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.7415, 0.3146, 0.3189**, and the grayscale version is **84.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2511, 0.3104, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **81.3509, 0.3072, 0.3621**, and if you desaturate by 10%, it is **91.6498, 0.3145, 0.3193**.

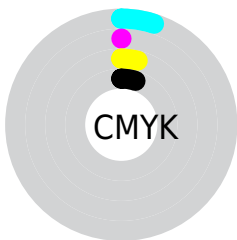
# Distribution



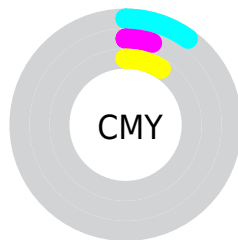
- Red (90%)
- Green (95%)
- Blue (91%)



- Red (90%)
- Yellow (94%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (10%)
- Magenta (5%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1535, 0.3109, 0.3393 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 86.1535, 0.3109, 0.3393 by changing the saturation by 10% instead.




 86.1535, 0.3109,  
0.3393

 86.1535, 0.3109,  
0.3393


515.4372, 0.3117,  
0.3346

 64.7949, 0.3107,  
0.3403

141.9837, 0.3112,  
0.3377

 47.2948, 0.3105,  
0.3416


177.2241, 0.3113,  
0.3371

 33.2688, 0.3102,  
0.3432


217.8605, 0.3114,  
0.3365

 22.3324, 0.3098,  
0.3453

264.2774, 0.3115,  
0.3361

 14.1014, 0.3093,  
0.3480

316.8591, 0.3116,  
0.3356

 8.1912, 0.3085,  
0.3519

375.9900, 0.3116,

 4.2175, 0.3074,

0.3353

0.3578

442.0546, 0.3117,  
0.3349

■ 1.7960, 0.3054,  
0.3678

■ 0.4847, 0.2928,  
0.4438

■ 86.1535, 0.3109,  
0.3393

■ 86.1535, 0.3109,  
0.3393

■ 81.3509, 0.3072,  
0.3621

■ 91.6498, 0.3145,  
0.3193

■ 77.2037, 0.3035,  
0.3877

■ 91.9937, 0.3133,  
0.3166

■ 73.6868, 0.3000,  
0.4159

■ 70.7690, 0.2969,  
0.4462

■ 68.4165, 0.2945,  
0.4775

■ 66.5920, 0.2930,  
0.5084

■ 65.2540, 0.2926,  
0.5370

■ 64.3542, 0.2934,  
0.5612

■ 63.8341, 0.2953,  
0.5797

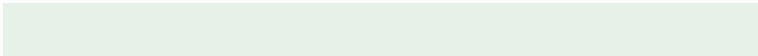
# Harmonies

## Analogous

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



86.1535, 0.3186, 0.3422



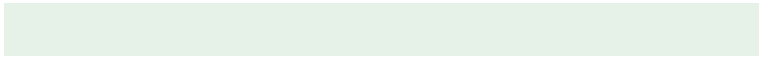
86.1535, 0.3109, 0.3393



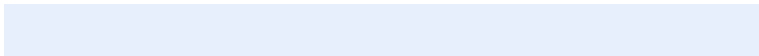
86.1535, 0.3038, 0.3335

# Triad

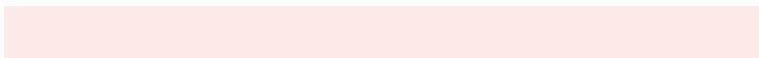
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1535, 0.3109, 0.3393



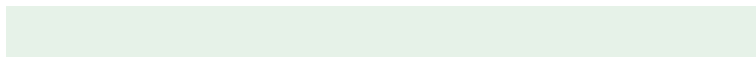
86.1535, 0.3008, 0.3166



86.1535, 0.3266, 0.3312

# Complementary

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



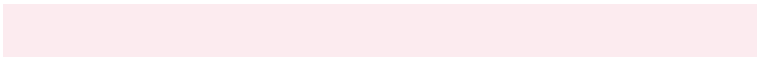
86.1535, 0.3109, 0.3393



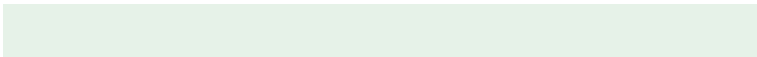
81.7415, 0.3146, 0.3189

# 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.



86.1535, 0.3217, 0.3245



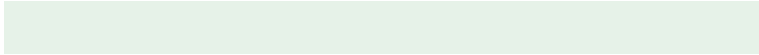
86.1535, 0.3109, 0.3393



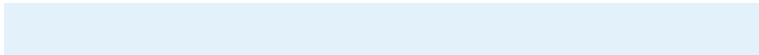
86.1535, 0.3068, 0.3162

# Square

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



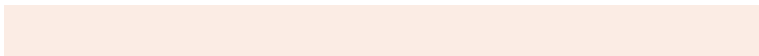
86.1535, 0.3109, 0.3393



86.1535, 0.2980, 0.3204



86.1535, 0.3144, 0.3190

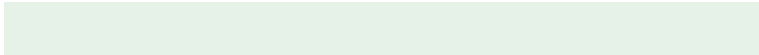


86.1535, 0.3277, 0.3374



# Rectangle

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



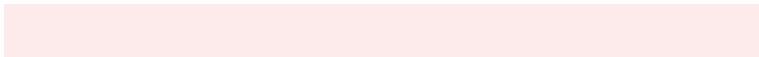
86.1535, 0.3109, 0.3393



86.1535, 0.3003, 0.3289



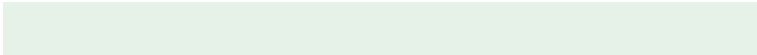
86.1535, 0.3144, 0.3190



86.1535, 0.3253, 0.3289

# Sweetspot

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



86.1572, 0.3109, 0.3393



99.3840, 0.3124, 0.3310



87.7512, 0.3187, 0.3412



21.2788, 0.3124, 0.3309



0.0000, 0.0000, 0.0000

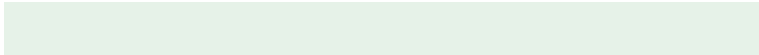


21.4041, 0.3127, 0.3290



# Same Dimension

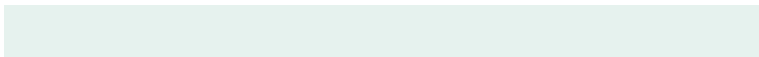
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1572, 0.3109, 0.3393



96.4218, 0.3105, 0.3415



86.5033, 0.3073, 0.3331



17.9961, 0.3103, 0.3429



34.2151, 0.2957, 0.5846



2.8590, 0.2897, 0.5630



# Inverse Universe

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



81.7415, 0.3146, 0.3189



90.4572, 0.3150, 0.3168



81.3916, 0.3184, 0.3249



16.7701, 0.3152, 0.3155



12.4205, 0.3692, 0.1807

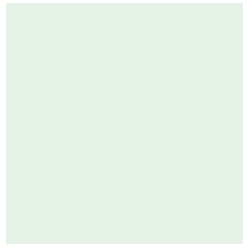


1.0453, 0.3617, 0.1766



# Previews

## White Background



This preview shows how the Yxy color 86.1535, 0.3109, 0.3393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

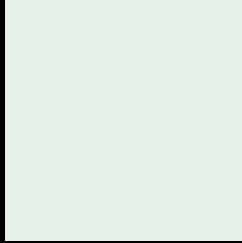
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.1535, 0.3109, 0.3393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

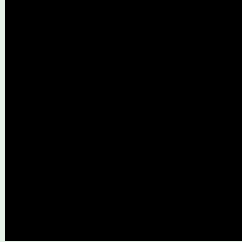
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

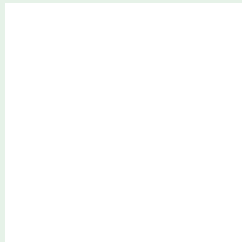
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.1535, 0.3109, 0.3393**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.1535, 0.3109, 0.3393.

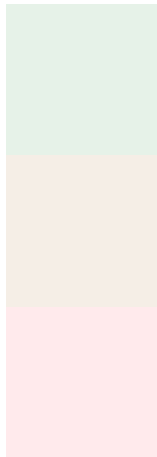


This preview shows how white text looks on a background with the Yxy color 86.1535, 0.3109, 0.3393.

# 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

86.1535, 0.3109, 0.3393

### Protanopia

86.2747, 0.3224, 0.3371

### Deuteranopia

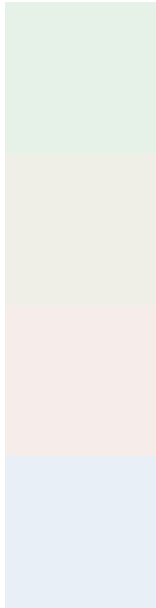
86.1618, 0.3257, 0.3271



## Tritanopia

86.0312, 0.3006, 0.3120

# Trichromacy



## Original Color

86.1535, 0.3109, 0.3393

## Protanomaly

86.0278, 0.3183, 0.3371

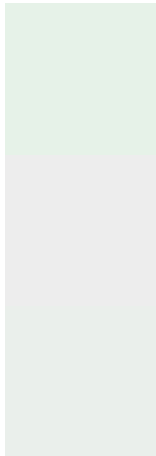
## Deuteranomaly

86.1594, 0.3200, 0.3310

## Tritanomaly

85.7720, 0.3040, 0.3209

# Monochromacy



## Original Color

86.1535, 0.3109, 0.3393

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.2236, 0.3119, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.1535, 0.3109, 0.3393 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(230, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(230, 242, 232)  
}
```

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(230, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 242, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 86.1535, 0.3109, 0.3393 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(230, 242, 232) }
```

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

```
.border{ border-color:rgb(230, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(230, 242,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.1535, 0.3109, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 242, 232) }
```

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

```
.background{ background-color: rgb(230,  
242, 232) }
```

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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