

# Converting Colors

$Yxy(85.4781, 0.3179, 0.3508)$

Have a look what the booklet for  
Yxy(85.4781, 0.3179, 0.3508)  
contains.

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# Color

**Yxy(85.5477, 0.3176, 0.3509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F2DD
RGB	230, 242, 221
RGB Percent	90%, 95%, 87%
CMY	0.0981, 0.0509, 0.1334
CMYK	0.05, 0.00, 0.09, 0.05
HSL	94°, 45%, 91%
HSV	94°, 9%, 95%
XYZ	77.4293, 85.5477, 80.8181
YIQ	236.0180, -0.4110, -9.0750

# Conversions

## Conversions Part 2

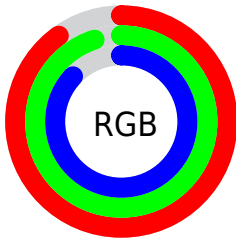
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 242, 233
Decimal	15135453
CIE Lab	94.12, -7.68, 8.78
CIE LCh	94, 11.659, 131.174
Yxy	85.5477, 0.3176, 0.3509
Android (android.graphics.Color)	4293325533 (0xFFE6F2DD)
YUV	236.0180, -7.4039, -5.2778
Hunter-Lab	92.4920, -12.4304, 12.9377

# Details

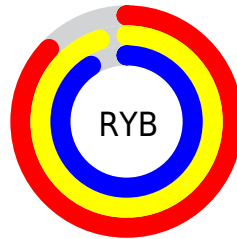
The Yxy color **85.5477, 0.3176, 0.3509** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4343, 0.3074, 0.3073**, and the grayscale version is **83.9524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8697, 0.3182, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **82.1543, 0.3231, 0.3783**, and if you desaturate by 10%, it is **89.3162, 0.3120, 0.3259**.

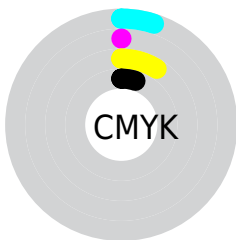
# Distribution



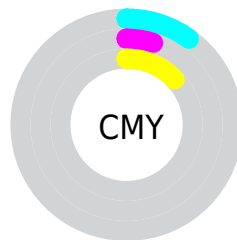
- Red (90%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



- Cyan (10%)
- Magenta (5%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5477, 0.3176, 0.3509 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 85.5477, 0.3176, 0.3509 by changing the saturation by 10% instead.



85.5477, 0.3176,  
0.3509

85.5477, 0.3176,  
0.3509

513.4386, 0.3155,  
0.3409

64.2940, 0.3181,  
0.3531

141.1381, 0.3169,  
0.3475

46.8889, 0.3186,  
0.3559

176.2437, 0.3166,  
0.3461

32.9478, 0.3193,  
0.3594

216.7353, 0.3164,  
0.3450

22.0865, 0.3201,  
0.3639

262.9975, 0.3161,  
0.3440

13.9204, 0.3212,  
0.3699

315.4145, 0.3159,  
0.3431

8.0654, 0.3227,  
0.3785

374.3707, 0.3158,

4.1368, 0.3247,

0.3423

0.3915

440.2507, 0.3156,  
0.3416

■ 1.7504, 0.3276,  
0.4138

■ 0.4560, 0.3504,  
0.6496

■ 85.5477, 0.3176,  
0.3509

■ 85.5477, 0.3176,  
0.3509

■ 82.1543, 0.3231,  
0.3783

■ 89.3162, 0.3120,  
0.3259

■ 79.1126, 0.3283,  
0.4077

■ 91.9919, 0.3133,  
0.3166

■ 76.4137, 0.3328,  
0.4385

■ 74.0438, 0.3362,  
0.4696

■ 71.9881, 0.3381,  
0.4997

■ 70.2306, 0.3382,  
0.5269

■ 68.7533, 0.3363,  
0.5497

■ 67.5357, 0.3324,  
0.5668

■ 66.5501, 0.3270,  
0.5779

# Harmonies

## Analogous

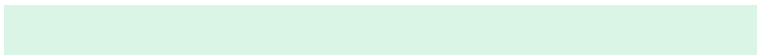
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5477, 0.3298, 0.3520



85.5477, 0.3176, 0.3509



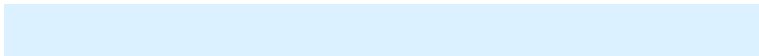
85.5477, 0.3043, 0.3435

# Triad

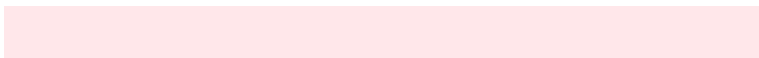
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5477, 0.3176, 0.3509



85.5477, 0.2884, 0.3108



85.5477, 0.3324, 0.3256

# Complementary

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



85.5477, 0.3176, 0.3509



75.4343, 0.3074, 0.3073

# 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.



85.5477, 0.3209, 0.3151



85.5477, 0.3176, 0.3509



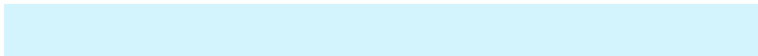
85.5477, 0.2956, 0.3066

# Square

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



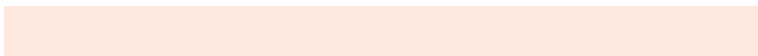
85.5477, 0.3176, 0.3509



85.5477, 0.2876, 0.3200



85.5477, 0.3074, 0.3082



85.5477, 0.3385, 0.3371



# Rectangle

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



85.5477, 0.3176, 0.3509



85.5477, 0.2965, 0.3361



85.5477, 0.3074, 0.3082



85.5477, 0.3290, 0.3219

# Sweetspot

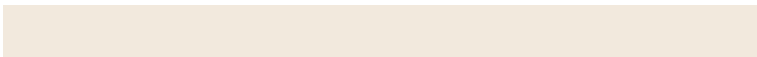
The Sweet Spot groups the original color and five complimentary colors.



85.5514, 0.3176, 0.3509



98.6969, 0.3144, 0.3364



82.3174, 0.3266, 0.3413



21.0521, 0.3149, 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.



85.5514, 0.3176, 0.3509



95.8042, 0.3183, 0.3544



84.1740, 0.3108, 0.3498



17.9873, 0.3180, 0.3530



35.7617, 0.3274, 0.5782



3.0326, 0.3377, 0.5701



# Inverse Universe

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



75.4343, 0.3074, 0.3073



82.7829, 0.3066, 0.3038



76.9059, 0.3146, 0.3091



15.6748, 0.3069, 0.3052



6.4451, 0.2171, 0.0969

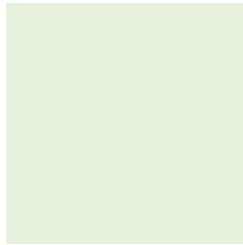


0.5947, 0.2302, 0.1042



# Previews

## White Background



This preview shows how the Yxy color 85.5477, 0.3176, 0.3509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

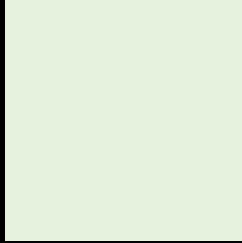
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5477, 0.3176, 0.3509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

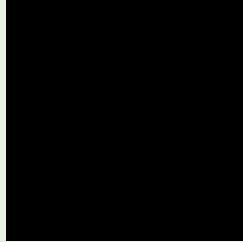
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

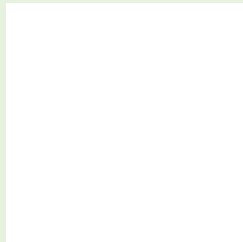
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5477, 0.3176, 0.3509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5477, 0.3176, 0.3509.

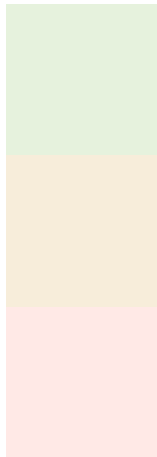


This preview shows how white text looks on a background with the Yxy color 85.5477, 0.3176, 0.3509.

# 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

85.5477, 0.3176, 0.3509

### Protanopia

85.4045, 0.3315, 0.3483

### Deuteranopia

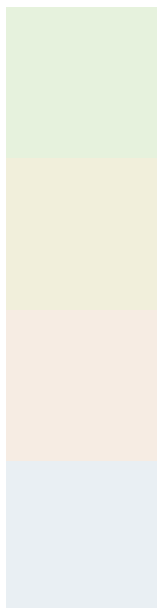
85.2510, 0.3297, 0.3320



## Tritanopia

85.4505, 0.3006, 0.3110

# Trichromacy



## Original Color

85.5477, 0.3176, 0.3509

## Protanomaly

85.5482, 0.3265, 0.3495

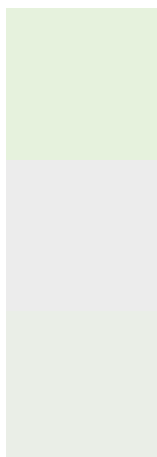
## Deuteranomaly

85.1298, 0.3251, 0.3381

## Tritanomaly

85.5277, 0.3064, 0.3249

# Monochromacy



## Original Color

85.5477, 0.3176, 0.3509

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.4110, 0.3144, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5477, 0.3176, 0.3509 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(230, 242, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 242, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5477, 0.3176, 0.3509 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, 221) }
```

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

```
.border{ border-color:rgb(230, 242, 221) }
```

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, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(230, 242,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5477, 0.3176, 0.3509 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, 221) }
```

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

```
.background{ background-color: rgb(230,  
242, 221) }
```

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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