

# Converting Colors

Yxy(85.6480, 0.3198, 0.3543)

Have a look what the booklet for  
Yxy(85.6480, 0.3198, 0.3543)  
contains.

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# Color

**Yxy(85.5551, 0.3201, 0.3540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F2DA
RGB	231, 242, 218
RGB Percent	91%, 95%, 85%
CMY	0.0941, 0.0510, 0.1451
CMYK	0.05, 0.00, 0.10, 0.05
HSL	87°, 48%, 90%
HSV	87°, 10%, 95%
XYZ	77.3621, 85.5551, 78.7639
YIQ	235.9750, 1.1480, -9.7960

# Conversions

## Conversions Part 2

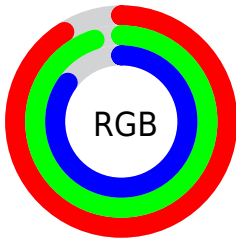
Format	Color
R <sub>Y</sub> B	218, 242, 229
Decimal	15200986
CIE Lab	94.12, -7.82, 10.33
CIE LCh	94, 12.958, 127.145
Yxy	85.5551, 0.3201, 0.3540
Android (android.graphics.Color)	4293391066 (0xFFE7F2DA)
YUV	235.9750, -8.8617, -4.3631
Hunter-Lab	92.4960, -12.5736, 14.2595

# Details

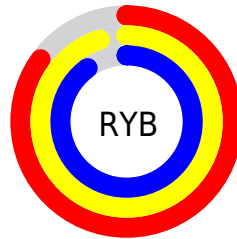
The Yxy color **85.5551, 0.3201, 0.3540** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.2114, 0.3047, 0.3039**, and the grayscale version is **83.9314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8761, 0.3214, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **82.5954, 0.3275, 0.3812**, and if you desaturate by 10%, it is **88.8242, 0.3127, 0.3288**.

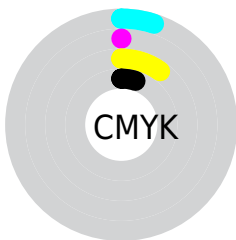
# Distribution



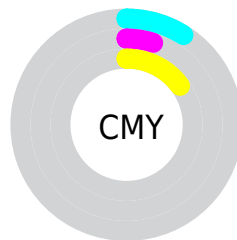
- Red (91%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)




- Cyan (9%)
- Magenta (5%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5551, 0.3201, 0.3540 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 85.5551, 0.3201, 0.3540 by changing the saturation by 10% instead.




 85.5551, 0.3201,  
0.3540

 85.5551, 0.3201,  
0.3540


513.4631, 0.3169,  
0.3426

 64.3001, 0.3208,  
0.3566


141.1485, 0.3190,  
0.3501

 46.8938, 0.3217,  
0.3597


176.2557, 0.3186,  
0.3485

 32.9517, 0.3227,  
0.3637


216.7491, 0.3182,  
0.3472

 22.0895, 0.3240,  
0.3688

263.0131, 0.3179,  
0.3461

 13.9226, 0.3257,  
0.3757

315.4321, 0.3176,  
0.3450

 8.0669, 0.3280,  
0.3855

374.3905, 0.3173,

 4.1378, 0.3312,

0.3441

0.4004

440.2727, 0.3171,  
0.3433

■ 1.7509, 0.3359,  
0.4258

■ 0.4563, 0.3472,  
0.6528

■ 85.5551, 0.3201,  
0.3540

■ 85.5551, 0.3201,  
0.3540

■ 82.5954, 0.3275,  
0.3812

■ 88.8242, 0.3127,  
0.3288

■ 79.9237, 0.3345,  
0.4100

■ 91.6449, 0.3121,  
0.3165

■ 77.5331, 0.3408,  
0.4396

■ 91.9875, 0.3133,  
0.3165

■ 75.4120, 0.3459,  
0.4689

■ 73.5479, 0.3493,  
0.4968

■ 71.9270, 0.3507,  
0.5217

■ 70.5337, 0.3497,  
0.5421

■ 69.3501, 0.3465,  
0.5571

■ 68.3478, 0.3414,  
0.5671

# Harmonies

## Analogous

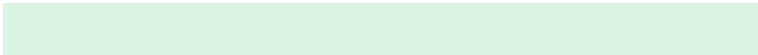
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5551, 0.3333, 0.3542



85.5551, 0.3201, 0.3540



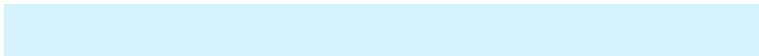
85.5551, 0.3052, 0.3466

# Triad

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



85.5551, 0.3201, 0.3540



85.5551, 0.2852, 0.3098



85.5551, 0.3331, 0.3235

# Complementary

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



85.5551, 0.3201, 0.3540



73.2114, 0.3047, 0.3039

# Split Complementary

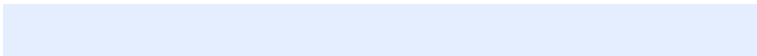
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5551, 0.3198, 0.3123



85.5551, 0.3201, 0.3540



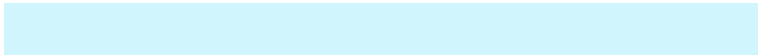
85.5551, 0.2922, 0.3044

# Square

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



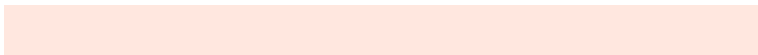
85.5551, 0.3201, 0.3540



85.5551, 0.2853, 0.3206



85.5551, 0.3048, 0.3054



85.5551, 0.3410, 0.3363

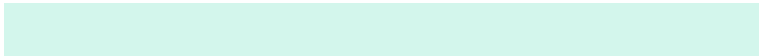


# Rectangle

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



85.5551, 0.3201, 0.3540



85.5551, 0.2963, 0.3387



85.5551, 0.3048, 0.3054



85.5551, 0.3292, 0.3195

# Sweetspot

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



85.5588, 0.3201, 0.3540



98.8581, 0.3149, 0.3364



79.8690, 0.3290, 0.3402



21.0955, 0.3155, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

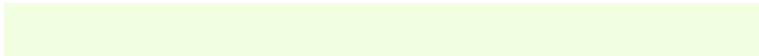


# Same Dimension

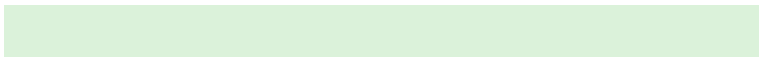
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5588, 0.3201, 0.3540



95.6201, 0.3217, 0.3596



83.6603, 0.3123, 0.3546



18.0781, 0.3198, 0.3528



36.7934, 0.3425, 0.5663



3.1200, 0.3520, 0.5587



# Inverse Universe

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



73.2114, 0.3047, 0.3039



78.9972, 0.3029, 0.2983



75.2197, 0.3130, 0.3046



15.5836, 0.3051, 0.3051



5.3354, 0.1945, 0.0845

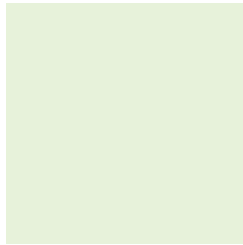


0.5023, 0.2091, 0.0925



# Previews

## White Background



This preview shows how the Yxy color 85.5551, 0.3201, 0.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

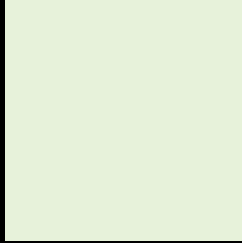
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5551, 0.3201, 0.3540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

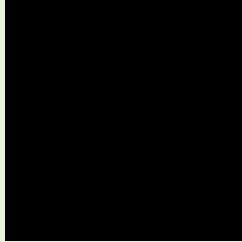
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

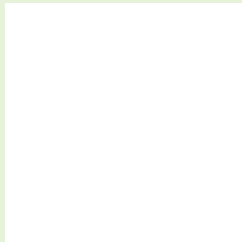
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5551, 0.3201, 0.3540**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5551, 0.3201, 0.3540.

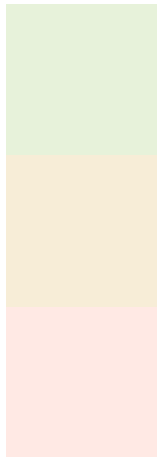


This preview shows how white text looks on a background with the Yxy color 85.5551, 0.3201, 0.3540.

# 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

85.5551, 0.3201, 0.3540

### Protanopia

85.2488, 0.3335, 0.3513

### Deuteranopia

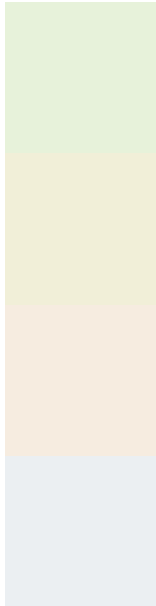
85.1393, 0.3310, 0.3340



## Tritanopia

85.7929, 0.3018, 0.3110

# Trichromacy



## Original Color

85.5551, 0.3201, 0.3540

## Protanomaly

85.3916, 0.3284, 0.3526

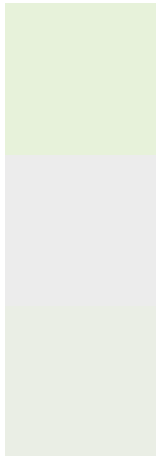
## Deuteranomaly

84.9656, 0.3271, 0.3412

## Tritanomaly

85.8060, 0.3083, 0.3259

# Monochromacy



## Original Color

85.5551, 0.3201, 0.3540

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.2986, 0.3156, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5551, 0.3201, 0.3540 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(231, 242, 218)` looks like.

```
.text, #text, p{  
    color:rgb(231, 242, 218)  
}
```

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(231, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 242, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5551, 0.3201, 0.3540 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(231, 242, 218) }
```

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

```
.border{ border-color:rgb(231, 242, 218) }
```

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

Here you see how a box with a 4 pixel rgb(231, 242, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(231, 242,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5551, 0.3201, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 242, 218) }
```

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

```
.background{ background-color: rgb(231,  
242, 218) }
```

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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