

# Converting Colors

$Yxy(85.7690, 0.3193, 0.3562)$

Have a look what the booklet for  
Yxy(85.7690, 0.3193, 0.3562)  
contains.

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# Color

**Yxy(85.7690, 0.3193, 0.3562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F3D9
RGB	229, 243, 217
RGB Percent	90%, 95%, 85%
CMY	0.1020, 0.0470, 0.1491
CMYK	0.06, 0.00, 0.11, 0.05
HSL	92°, 52%, 90%
HSV	92°, 11%, 95%
XYZ	76.8839, 85.7690, 78.1360
YIQ	235.8500, 0.0020, -11.0540

# Conversions

## Conversions Part 2

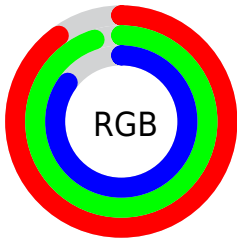
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 243, 231
Decimal	15070169
CIE Lab	94.21, -9.18, 10.97
CIE LCh	94, 14.303, 129.947
Yxy	85.7690, 0.3193, 0.3562
Android (android.graphics.Color)	4293260249 (0xFFE5F3D9)
YUV	235.8500, -9.2930, -6.0074
Hunter-Lab	92.6116, -13.8838, 14.8054

# Details

The Yxy color **85.7690, 0.3193, 0.3562** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.0781, 0.3055, 0.3019**, and the grayscale version is **83.8329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0335, 0.3203, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **82.5274, 0.3253, 0.3839**, and if you desaturate by 10%, it is **89.3666, 0.3132, 0.3307**.

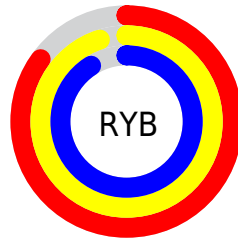
# Distribution



Red (90%)

Green (95%)

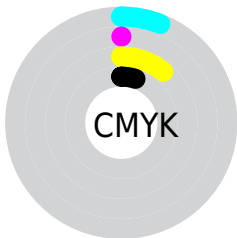
Blue (85%)



Red (85%)

Yellow (95%)

Blue (91%)

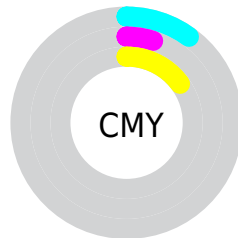


Cyan (6%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (10%)

Magenta (5%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7690, 0.3193, 0.3562 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 85.7690, 0.3193, 0.3562 by changing the saturation by 10% instead.




 85.7690, 0.3193,  
0.3562

 85.7690, 0.3193,  
0.3562

514.1692, 0.3164,  
0.3438

 64.4770, 0.3199,  
0.3590


141.4471, 0.3183,  
0.3519

 47.0371, 0.3206,  
0.3624


176.6019, 0.3180,  
0.3503

 33.0650, 0.3216,  
0.3668


217.1465, 0.3176,  
0.3488

 22.1762, 0.3227,  
0.3724

263.4652, 0.3173,  
0.3475

 13.9865, 0.3241,  
0.3799

315.9425, 0.3171,  
0.3464

 8.1112, 0.3260,  
0.3906

374.9626, 0.3168,

 4.1662, 0.3286,

0.3455

0.4070

440.9101, 0.3166,  
0.3446

■ 1.7670, 0.3320,  
0.4350

■ 0.4665, 0.3197,  
0.6803

■ 85.7690, 0.3193,  
0.3562

■ 85.7690, 0.3193,  
0.3562

■ 82.5274, 0.3253,  
0.3839

■ 89.3666, 0.3132,  
0.3307

■ 79.6189, 0.3309,  
0.4134

■ 92.5872, 0.3133,  
0.3175

■ 77.0349, 0.3358,  
0.4440

■ 74.7622, 0.3394,  
0.4745

■ 72.7864, 0.3415,  
0.5036

■ 71.0919, 0.3416,  
0.5296

■ 69.6609, 0.3396,  
0.5508

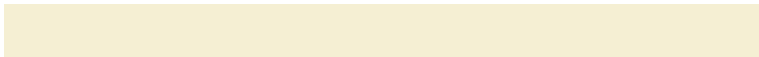
■ 68.4732, 0.3355,  
0.5664

■ 67.5597, 0.3303,  
0.5759

# Harmonies

## Analogous

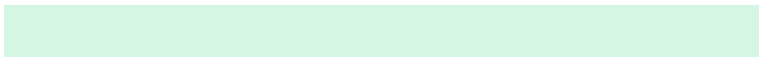
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7690, 0.3342, 0.3572



85.7690, 0.3193, 0.3562



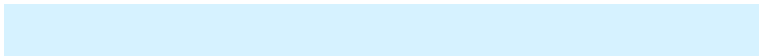
85.7690, 0.3029, 0.3474

# Triad

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



85.7690, 0.3193, 0.3562



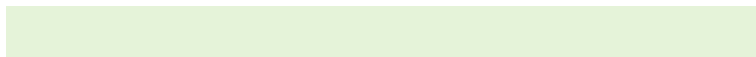
85.7690, 0.2828, 0.3070



85.7690, 0.3364, 0.3242

# Complementary

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



85.7690, 0.3193, 0.3562



73.0781, 0.3055, 0.3019

# Split Complementary

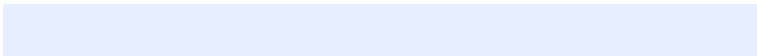
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7690, 0.3221, 0.3116



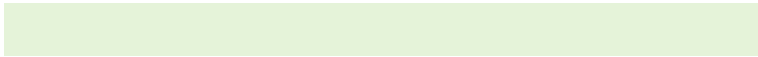
85.7690, 0.3193, 0.3562



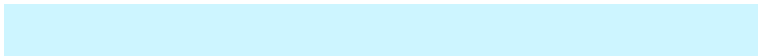
85.7690, 0.2912, 0.3017

# Square

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



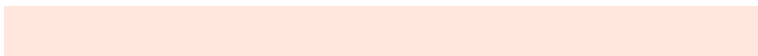
85.7690, 0.3193, 0.3562



85.7690, 0.2822, 0.3184



85.7690, 0.3055, 0.3035



85.7690, 0.3443, 0.3383

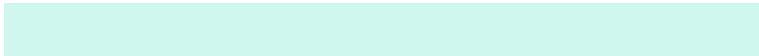


# Rectangle

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



85.7690, 0.3193, 0.3562



85.7690, 0.2934, 0.3383



85.7690, 0.3055, 0.3035



85.7690, 0.3321, 0.3197

# Sweetspot

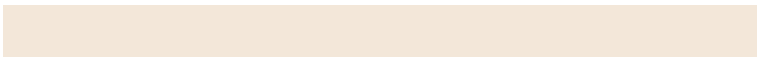
The Sweet Spot groups the original color and five complimentary colors.



85.7727, 0.3193, 0.3562



98.7439, 0.3146, 0.3364



81.1413, 0.3301, 0.3433



21.0647, 0.3151, 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.



85.7727, 0.3193, 0.3562



94.8153, 0.3207, 0.3625



83.9105, 0.3109, 0.3559



18.8466, 0.3186, 0.3530



37.1540, 0.3315, 0.5750



3.3259, 0.3411, 0.5674



# Inverse Universe

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



73.0781, 0.3055, 0.3019



77.8566, 0.3038, 0.2958



75.0931, 0.3145, 0.3035



16.3663, 0.3064, 0.3051



6.2760, 0.2100, 0.0931

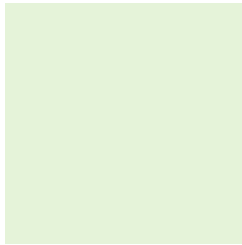


0.6127, 0.2230, 0.1002



# Previews

## White Background



This preview shows how the Yxy color 85.7690, 0.3193, 0.3562 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 85.7690, 0.3193, 0.3562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

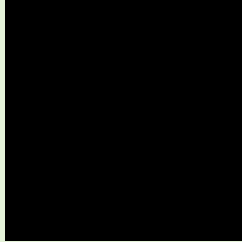
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

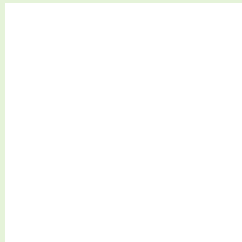
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.7690, 0.3193, 0.3562**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.7690, 0.3193, 0.3562.

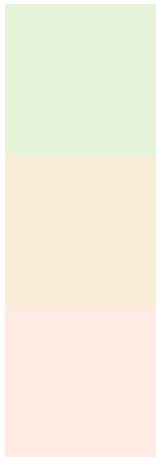


This preview shows how white text looks on a background with the Yxy color 85.7690, 0.3193, 0.3562.

# 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

85.7690, 0.3193, 0.3562

### Protanopia

85.3799, 0.3348, 0.3523

### Deuteranopia

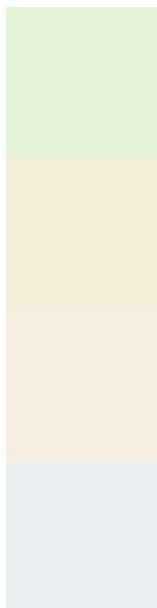
85.7071, 0.3309, 0.3350



## Tritanopia

85.4505, 0.3006, 0.3110

# Trichromacy



## Original Color

85.7690, 0.3193, 0.3562

## Protanomaly

85.3401, 0.3290, 0.3536

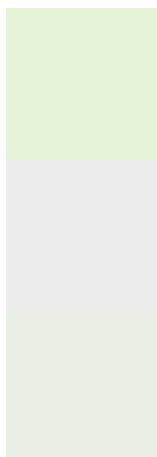
## Deuteranomaly

85.5430, 0.3270, 0.3422

## Tritanomaly

85.4075, 0.3076, 0.3269

# Monochromacy



## Original Color

85.7690, 0.3193, 0.3562

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.7138, 0.3149, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.7690, 0.3193, 0.3562 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(229, 243, 217)` looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 217)  
}
```

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(229, 243, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 85.7690, 0.3193, 0.3562 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(229, 243, 217) }
```

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

```
.border{ border-color:rgb(229, 243, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 243, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 243, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 243, 217);  
box-shadow:4px 4px 4px 4px rgb(229, 243,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.7690, 0.3193, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 243, 217) }
```

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

```
.background{ background-color: rgb(229,  
243, 217) }
```

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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