

# Converting Colors

$Yxy(85.5488, 0.3184, 0.3585)$

Have a look what the booklet for  
Yxy(85.5488, 0.3184, 0.3585)  
contains.

<b>Yxy(85.7764, 0.3184, 0.3595)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(85.7764, 0.3184, 0.3595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F4D7
RGB	226, 244, 215
RGB Percent	89%, 96%, 84%
CMY	0.1139, 0.0431, 0.1568
CMYK	0.07, 0.00, 0.12, 0.04
HSL	97°, 57%, 90%
HSV	97°, 12%, 96%
XYZ	75.9700, 85.7764, 76.8528
YIQ	235.3120, -1.4190, -12.8350

# Conversions

## Conversions Part 2

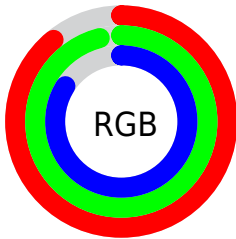
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 244, 233
Decimal	14873815
CIE Lab	94.22, -11.05, 11.96
CIE LCh	94, 16.281, 132.745
Yxy	85.7764, 0.3184, 0.3595
Android (android.graphics.Color)	4293063895 (0xFFE2F4D7)
YUV	235.3120, -10.0138, -8.1666
Hunter-Lab	92.6155, -15.6586, 15.6318

# Details

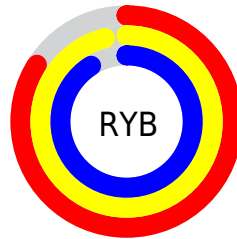
The Yxy color **85.7764, 0.3184, 0.3595** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.4806, 0.3064, 0.2990**, and the grayscale version is **83.4036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1624, 0.3201, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **82.2684, 0.3230, 0.3878**, and if you desaturate by 10%, it is **89.6968, 0.3136, 0.3336**.

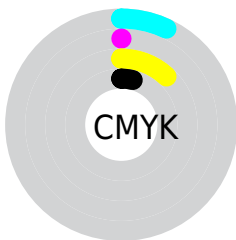
# Distribution



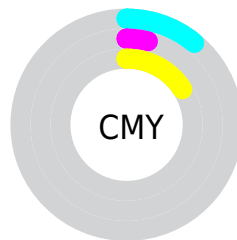
- Red (89%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7764, 0.3184, 0.3595 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 85.7764, 0.3184, 0.3595 by changing the saturation by 10% instead.




 85.7764, 0.3184,  
0.3595

 85.7764, 0.3184,  
0.3595


514.1936, 0.3160,  
0.3455

 64.4831, 0.3189,  
0.3627


141.4574, 0.3176,  
0.3547

 47.0421, 0.3195,  
0.3665

176.6139, 0.3173,  
0.3528

 33.0689, 0.3202,  
0.3714


217.1603, 0.3170,  
0.3512

 22.1792, 0.3211,  
0.3778

263.4809, 0.3167,  
0.3498

 13.9887, 0.3223,  
0.3863

315.9601, 0.3165,  
0.3485

 8.1128, 0.3237,  
0.3985

374.9824, 0.3163,

 4.1672, 0.3254,

0.3474

0.4172

440.9321, 0.3161,  
0.3464

■ 1.7675, 0.3274,  
0.4494

■ 0.4668, 0.2714,  
0.7286

■ 85.7764, 0.3184,  
0.3595

■ 85.7764, 0.3184,  
0.3595

■ 82.2684, 0.3230,  
0.3878

■ 89.6968, 0.3136,  
0.3336

■ 79.1479, 0.3271,  
0.4182

■ 93.1923, 0.3132,  
0.3185

■ 76.4038, 0.3305,  
0.4499

■ 74.0203, 0.3327,  
0.4816

■ 71.9805, 0.3334,  
0.5117

■ 70.2656, 0.3324,  
0.5385

■ 68.8550, 0.3295,  
0.5602

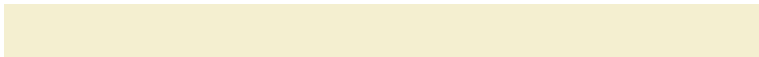
■ 67.7246, 0.3249,  
0.5756

■ 66.9869, 0.3204,  
0.5838

# Harmonies

## Analogous

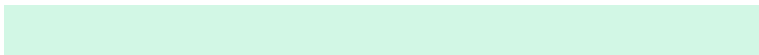
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7764, 0.3358, 0.3614



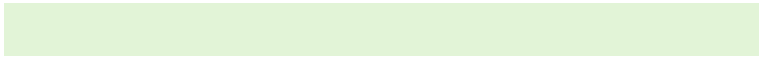
85.7764, 0.3184, 0.3595



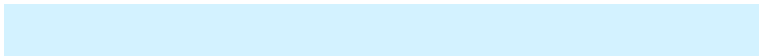
85.7764, 0.2999, 0.3487

# Triad

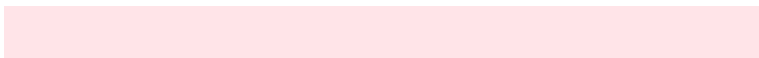
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7764, 0.3184, 0.3595



85.7764, 0.2793, 0.3030



85.7764, 0.3409, 0.3250

# Complementary

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



85.7764, 0.3184, 0.3595



72.4806, 0.3064, 0.2990

# 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.



85.7764, 0.3250, 0.3105



85.7764, 0.3184, 0.3595



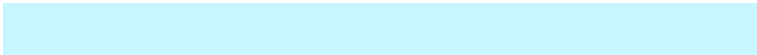
85.7764, 0.2896, 0.2978

# Square

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



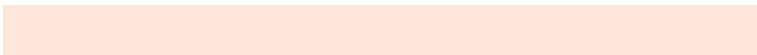
85.7764, 0.3184, 0.3595



85.7764, 0.2777, 0.3154



85.7764, 0.3062, 0.3007



85.7764, 0.3491, 0.3409



# Rectangle

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



85.7764, 0.3184, 0.3595



85.7764, 0.2894, 0.3380



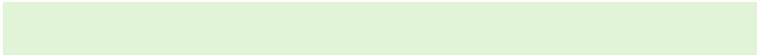
85.7764, 0.3062, 0.3007



85.7764, 0.3363, 0.3198

# Sweetspot

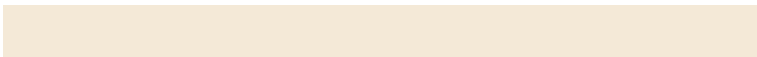
The Sweet Spot groups the original color and five complimentary colors.



85.7801, 0.3184, 0.3595



98.1749, 0.3146, 0.3389



82.3654, 0.3319, 0.3474



20.9418, 0.3150, 0.3408



0.0000, 0.0000, 0.0000

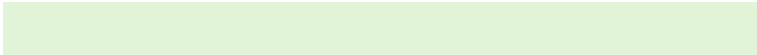


21.4041, 0.3127, 0.3290

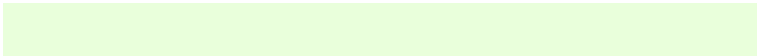


# Same Dimension

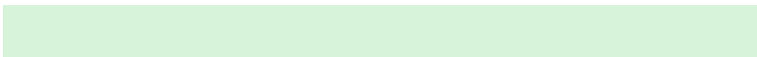
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7801, 0.3184, 0.3595



93.9331, 0.3194, 0.3654



84.2450, 0.3093, 0.3564



18.7763, 0.3173, 0.3531



36.4895, 0.3215, 0.5829



3.2639, 0.3312, 0.5752



# Inverse Universe

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



72.4806, 0.3064, 0.2990



76.8361, 0.3051, 0.2933



74.1751, 0.3164, 0.3030



16.4381, 0.3077, 0.3052



7.2631, 0.2283, 0.1031

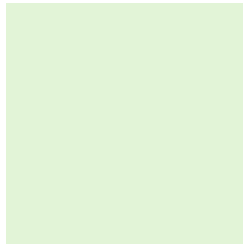


0.6970, 0.2398, 0.1095



# Previews

## White Background



This preview shows how the Yxy color 85.7764, 0.3184, 0.3595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

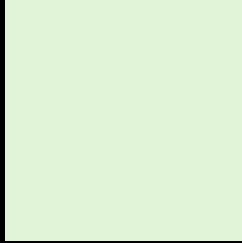
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.7764, 0.3184, 0.3595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

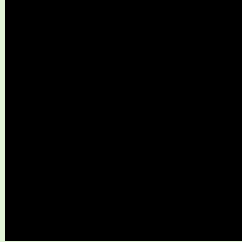
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

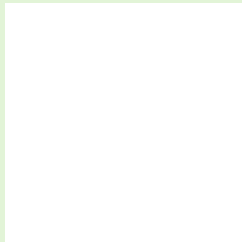
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.7764, 0.3184, 0.3595**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.7764, 0.3184, 0.3595.

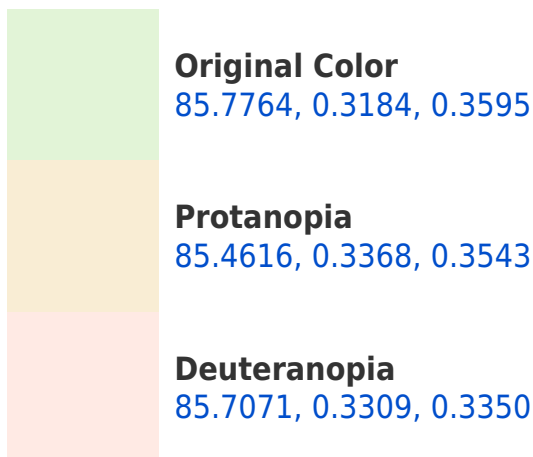


This preview shows how white text looks on a background with the Yxy color 85.7764, 0.3184, 0.3595.

# 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

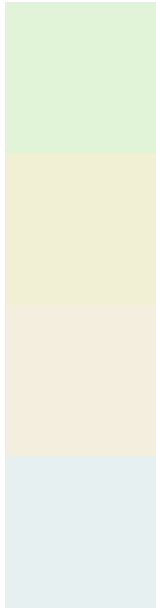




## Tritanopia

85.6927, 0.2993, 0.3119

# Trichromacy



**Original Color**

85.7764, 0.3184, 0.3595

**Protanomaly**

85.8250, 0.3302, 0.3567

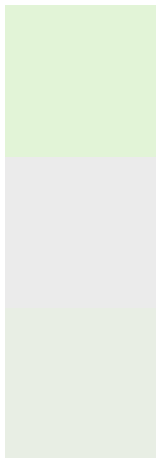
**Deuteranomaly**

85.7099, 0.3261, 0.3442

**Tritanomaly**

85.4344, 0.3062, 0.3290

# Monochromacy



**Original Color**

85.7764, 0.3184, 0.3595

**Achromatopsia**

83.0770, 0.3127, 0.3290

**Achromatomaly**

83.9063, 0.3149, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.7764, 0.3184, 0.3595 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(226, 244, 215)` looks like.

```
.text, #text, p{  
    color:rgb(226, 244, 215)  
}
```

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(226, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 244, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 85.7764, 0.3184, 0.3595 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(226, 244, 215) }
```

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

```
.border{ border-color:rgb(226, 244, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 244, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(226, 244,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.7764, 0.3184, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 244, 215) }
```

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

```
.background{ background-color: rgb(226,  
244, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor