

# Converting Colors

$Yxy(85.1442, 0.3233, 0.3497)$

Have a look what the booklet for  
Yxy(85.1442, 0.3233, 0.3497)  
contains.

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# Color

**Yxy(85.4392, 0.3237, 0.3506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF0DB
RGB	237, 240, 219
RGB Percent	93%, 94%, 86%
CMY	0.0704, 0.0589, 0.1411
CMYK	0.01, 0.00, 0.09, 0.06
HSL	68°, 41%, 90%
HSV	68°, 9%, 94%
XYZ	78.8838, 85.4392, 79.3712
YIQ	236.7090, 4.9530, -7.1670

# Conversions

## Conversions Part 2

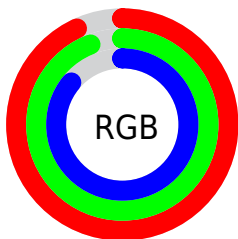
Format	Color
R <sub>Y</sub> B	219, 240, 222
Decimal	15593691
CIE Lab	94.07, -4.57, 9.78
CIE LCh	94, 10.797, 115.034
Yxy	85.4392, 0.3237, 0.3506
Android (android.graphics.Color)	4293783771 (0xFFEDF0DB)
YUV	236.7090, -8.7305, 0.2552
Hunter-Lab	92.4333, -9.4241, 13.7918

# Details

The Yxy color **85.4392, 0.3237, 0.3506** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.4965, 0.3012, 0.3067**, and the grayscale version is **84.5259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7851, 0.3260, 0.3556** is the 20% darker color. If you saturate the color by 10%, you get **83.6918, 0.3365, 0.3763**, and if you desaturate by 10%, it is **87.3872, 0.3112, 0.3260**.

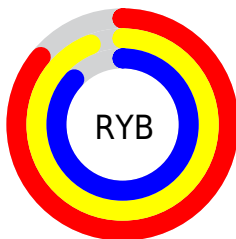
# Distribution



Red (93%)

Green (94%)

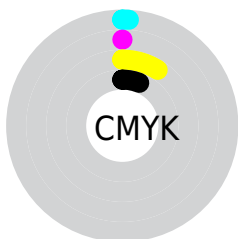
Blue (86%)



Red (86%)

Yellow (94%)

Blue (87%)

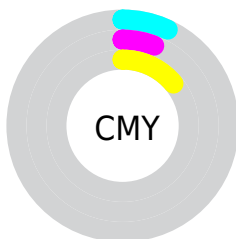


Cyan (1%)

Magenta (0%)

Yellow (9%)

Black (6%)



Cyan (7%)

Magenta (6%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4392, 0.3237, 0.3506 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 85.4392, 0.3237, 0.3506 by changing the saturation by 10% instead.



85.4392, 0.3237,  
0.3506

85.4392, 0.3237,  
0.3506

513.0802, 0.3188,  
0.3408

64.2043, 0.3248,  
0.3528

140.9866, 0.3220,  
0.3472

46.8162, 0.3261,  
0.3555

176.0680, 0.3214,  
0.3459

32.8904, 0.3277,  
0.3589

216.5337, 0.3208,  
0.3448

22.0425, 0.3298,  
0.3632

262.7680, 0.3203,  
0.3438

13.8881, 0.3325,  
0.3691

315.1555, 0.3199,  
0.3429

8.0429, 0.3363,  
0.3773

374.0804, 0.3195,

4.1224, 0.3418,

0.3421

439.9272, 0.3191,  
0.3414

0.3898

1.7423, 0.3505,  
0.4107

0.4508, 0.4128,  
0.5872

85.4392, 0.3237,  
0.3506

85.4392, 0.3237,  
0.3506

83.6918, 0.3365,  
0.3763

87.3872, 0.3112,  
0.3260

82.1261, 0.3492,  
0.4026


88.7329, 0.3062,  
0.3143

80.7375, 0.3613,  
0.4285


89.3426, 0.3083,  
0.3144


79.5168, 0.3722,  
0.4531


89.9634, 0.3105,  
0.3145


 78.4541, 0.3815,  
0.4753


 90.5954, 0.3127,  
0.3146

 77.5385, 0.3885,  
0.4941

 90.7955, 0.3134,  
0.3146

 76.7573, 0.3930,  
0.5087

 76.0959, 0.3949,  
0.5187

 75.5323, 0.3944,  
0.5245

# Harmonies

## Analogous

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



85.4392, 0.3331, 0.3484



85.4392, 0.3237, 0.3506



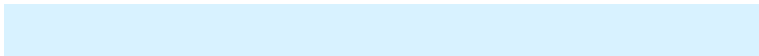
85.4392, 0.3115, 0.3467

# Triad

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



85.4392, 0.3237, 0.3506



85.4392, 0.2890, 0.3162



85.4392, 0.3257, 0.3203

# Complementary

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



85.4392, 0.3237, 0.3506



72.4965, 0.3012, 0.3067

# Split Complementary

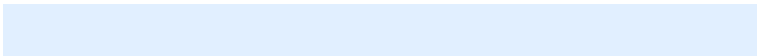
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4392, 0.3136, 0.3122



85.4392, 0.3237, 0.3506



85.4392, 0.2926, 0.3096

# Square

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



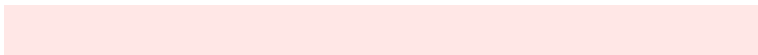
85.4392, 0.3237, 0.3506



85.4392, 0.2916, 0.3266



85.4392, 0.3015, 0.3082

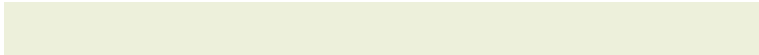


85.4392, 0.3343, 0.3308



# Rectangle

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



85.4392, 0.3237, 0.3506



85.4392, 0.3034, 0.3412



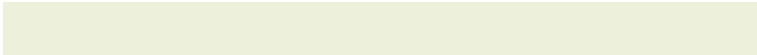
85.4392, 0.3015, 0.3082



85.4392, 0.3219, 0.3173

# Sweetspot

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



85.4429, 0.3237, 0.3506



99.3132, 0.3165, 0.3363



75.7896, 0.3276, 0.3320



21.2186, 0.3175, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

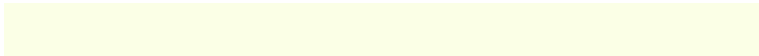


# Same Dimension

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



85.4429, 0.3237, 0.3506



97.7902, 0.3254, 0.3539



83.7164, 0.3168, 0.3511



18.3396, 0.3246, 0.3525



41.3577, 0.3947, 0.5248



3.4713, 0.3981, 0.5221



# Inverse Universe

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



72.4965, 0.3012, 0.3067



80.8748, 0.2993, 0.3032



74.1767, 0.3083, 0.3072



15.3355, 0.3001, 0.3047



3.6617, 0.1556, 0.0631

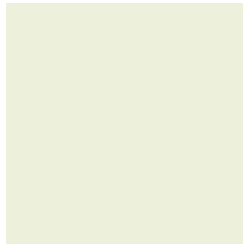


0.3375, 0.1654, 0.0685



# Previews

## White Background



This preview shows how the Yxy color 85.4392, 0.3237, 0.3506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

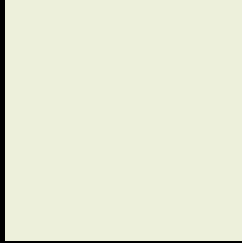
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4392, 0.3237, 0.3506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

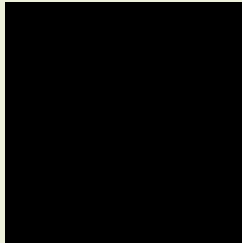
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

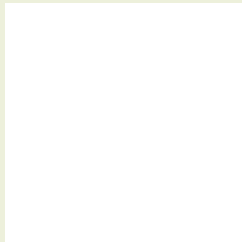
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4392, 0.3237, 0.3506**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4392, 0.3237, 0.3506.

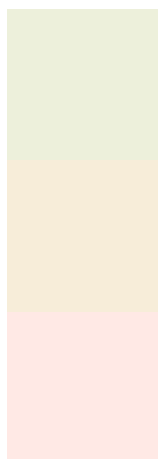


This preview shows how white text looks on a background with the Yxy color 85.4392, 0.3237, 0.3506.

# 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

85.4392, 0.3237, 0.3506

### Protanopia

85.3523, 0.3322, 0.3493

### Deuteranopia

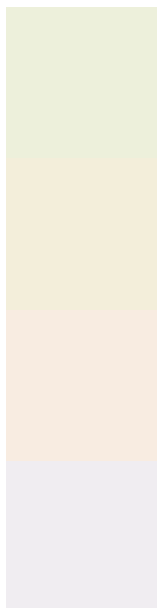
85.1950, 0.3304, 0.3330



## Tritanopia

85.3858, 0.3063, 0.3111

# Trichromacy



## Original Color

85.4392, 0.3237, 0.3506

## Protanomaly

85.2657, 0.3286, 0.3494

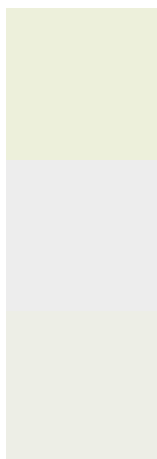
## Deuteranomaly

85.3836, 0.3278, 0.3401

## Tritanomaly

85.4445, 0.3122, 0.3250

# Monochromacy



## Original Color

85.4392, 0.3237, 0.3506

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.8668, 0.3170, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4392, 0.3237, 0.3506 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(237, 240, 219)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 219)  
}
```

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(237, 240, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4392, 0.3237, 0.3506 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(237, 240, 219) }
```

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

```
.border{ border-color:rgb(237, 240, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 219);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4392, 0.3237, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 219) }
```

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

```
.background{ background-color: rgb(237,  
240, 219) }
```

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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