

# Converting Colors

$Yxy(85.6435, 0.3210, 0.3486)$

Have a look what the booklet for  
Yxy(85.6435, 0.3210, 0.3486)  
contains.

<b>Yxy(85.8467, 0.3204, 0.3486)</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(85.8467, 0.3204, 0.3486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF1DE
RGB	235, 241, 222
RGB Percent	92%, 95%, 87%
CMY	0.0784, 0.0549, 0.1294
CMYK	0.02, 0.00, 0.08, 0.05
HSL	79°, 40%, 91%
HSV	79°, 8%, 95%
XYZ	78.9021, 85.8467, 81.5125
YIQ	237.0400, 2.5230, -7.1810

# Conversions

## Conversions Part 2

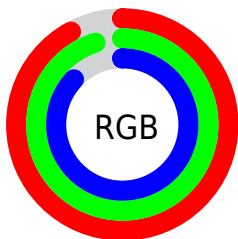
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 241, 228
Decimal	15462878
CIE Lab	94.25, -5.29, 8.48
CIE LCh	94, 9.992, 121.937
Yxy	85.8467, 0.3204, 0.3486
Android (android.graphics.Color)	4293652958 (0xFFEBF1DE)
YUV	237.0400, -7.4147, -1.7891
Hunter-Lab	92.6535, -10.1361, 12.6967

# Details

The Yxy color **85.8467, 0.3204, 0.3486** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.0819, 0.3046, 0.3091**, and the grayscale version is **84.7801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0716, 0.3218, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **83.3830, 0.3302, 0.3749**, and if you desaturate by 10%, it is **88.5578, 0.3107, 0.3239**.

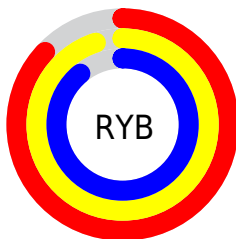
# Distribution



Red (92%)

Green (95%)

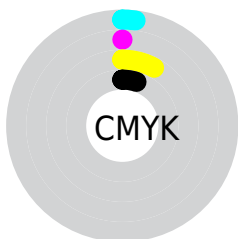
Blue (87%)



Red (87%)

Yellow (95%)

Blue (89%)

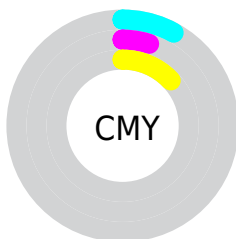


Cyan (2%)

Magenta (0%)

Yellow (8%)

Black (5%)



Cyan (8%)

Magenta (5%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8467, 0.3204, 0.3486 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 85.8467, 0.3204, 0.3486 by changing the saturation by 10% instead.




 85.8467, 0.3204,  
0.3486

 85.8467, 0.3204,  
0.3486


514.4256, 0.3170,  
0.3397

 64.5412, 0.3211,  
0.3506


141.5555, 0.3192,  
0.3455

 47.0892, 0.3221,  
0.3530

176.7277, 0.3188,  
0.3444

 33.1061, 0.3232,  
0.3561


217.2908, 0.3184,  
0.3433

 22.2078, 0.3246,  
0.3601

263.6294, 0.3180,  
0.3424

 14.0096, 0.3265,  
0.3654

316.1278, 0.3177,  
0.3416

 8.1274, 0.3291,  
0.3729

375.1703, 0.3175,

 4.1766, 0.3328,

0.3409

0.3842

441.1415, 0.3172,  
0.3403

■ 1.7728, 0.3387,  
0.4034

■ 0.4701, 0.4033,  
0.5967

■ 85.8467, 0.3204,  
0.3486

■ 85.8467, 0.3204,  
0.3486

■ 83.3830, 0.3302,  
0.3749

■ 88.5578, 0.3107,  
0.3239

■ 81.1471, 0.3398,  
0.4024

■ 90.4956, 0.3102,  
0.3154

■ 79.1336, 0.3488,  
0.4303

■ 91.3931, 0.3133,  
0.3156

■ 77.3329, 0.3567,  
0.4577

■ 75.7343, 0.3630,  
0.4835

■ 74.3261, 0.3671,  
0.5062

■ 73.0951, 0.3688,  
0.5249

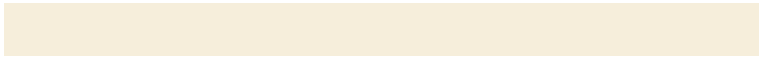
■ 72.0259, 0.3679,  
0.5387

■ 71.0977, 0.3647,  
0.5477

# Harmonies

## Analogous

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



85.8467, 0.3299, 0.3479



85.8467, 0.3204, 0.3486



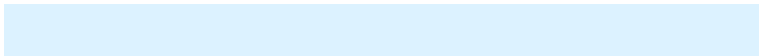
85.8467, 0.3089, 0.3438

# Triad

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



85.8467, 0.3204, 0.3486



85.8467, 0.2910, 0.3155



85.8467, 0.3269, 0.3231

# Complementary

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



85.8467, 0.3204, 0.3486



75.0819, 0.3046, 0.3091

# Split Complementary

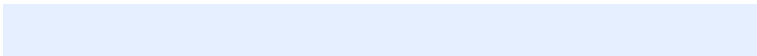
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8467, 0.3162, 0.3149



85.8467, 0.3204, 0.3486



85.8467, 0.2956, 0.3104

# Square

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



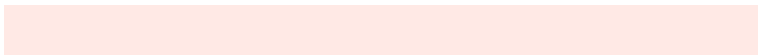
85.8467, 0.3204, 0.3486



85.8467, 0.2921, 0.3244



85.8467, 0.3048, 0.3102



85.8467, 0.3338, 0.3330



# Rectangle

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



85.8467, 0.3204, 0.3486



85.8467, 0.3017, 0.3382



85.8467, 0.3048, 0.3102



85.8467, 0.3236, 0.3201

# Sweetspot

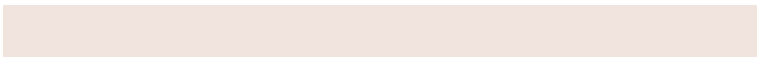
The Sweet Spot groups the original color and five complimentary colors.



85.8504, 0.3204, 0.3486



99.3721, 0.3147, 0.3339



79.2949, 0.3257, 0.3349



21.2763, 0.3146, 0.3336



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.



85.8504, 0.3204, 0.3486



97.2622, 0.3215, 0.3515



84.3223, 0.3143, 0.3490



18.1946, 0.3220, 0.3527



38.5283, 0.3648, 0.5486



3.2580, 0.3721, 0.5428



# Inverse Universe

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



75.0819, 0.3046, 0.3091



83.3621, 0.3034, 0.3061



76.6292, 0.3110, 0.3095



15.4705, 0.3029, 0.3049



4.3403, 0.1722, 0.0722

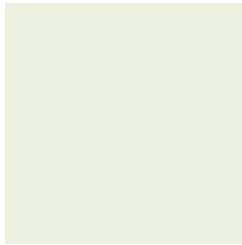


0.4121, 0.1862, 0.0799



# Previews

## White Background



This preview shows how the Yxy color 85.8467, 0.3204, 0.3486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

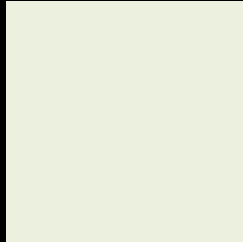
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8467, 0.3204, 0.3486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

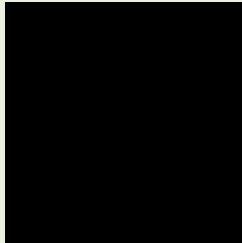
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

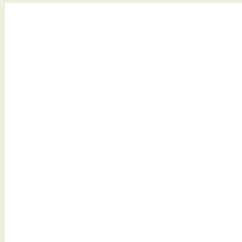
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.8467, 0.3204, 0.3486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8467, 0.3204, 0.3486.

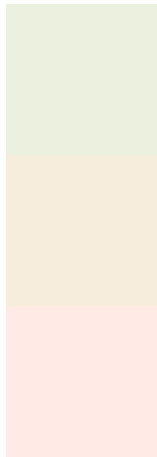


This preview shows how white text looks on a background with the Yxy color 85.8467, 0.3204, 0.3486.

# 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

85.8467, 0.3204, 0.3486

### Protanopia

85.5098, 0.3302, 0.3462

### Deuteranopia

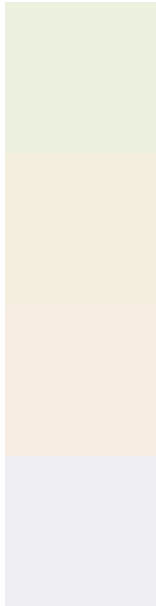
85.8188, 0.3296, 0.3330



## Tritanopia

85.7362, 0.3038, 0.3101

# Trichromacy



## Original Color

85.8467, 0.3204, 0.3486

## Protanomaly

85.4242, 0.3267, 0.3463

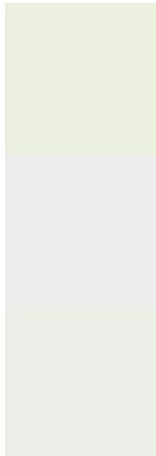
## Deuteranomaly

86.0709, 0.3264, 0.3391

## Tritanomaly

85.7973, 0.3097, 0.3240

# Monochromacy



## Original Color

85.8467, 0.3204, 0.3486

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.8081, 0.3151, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8467, 0.3204, 0.3486 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(235, 241, 222)` looks like.

```
.text, #text, p{  
    color:rgb(235, 241, 222)  
}
```

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(235, 241, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 241, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8467, 0.3204, 0.3486 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(235, 241, 222) }
```

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

```
.border{ border-color:rgb(235, 241, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 241, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 241, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 241, 222);  
box-shadow:4px 4px 4px 4px rgb(235, 241,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8467, 0.3204, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 241, 222) }
```

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

```
.background{ background-color: rgb(235,  
241, 222) }
```

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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