

Converting Colors

$Yxy(85.8742, 0.3377, 0.3791)$

Have a look what the booklet for
Yxy(85.8742, 0.3377, 0.3791)
contains.

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Color

Yxy(85.8742, 0.3377, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	ECF3C3
RGB	236, 243, 195
RGB Percent	93%, 95%, 76%
CMY	0.0744, 0.0471, 0.2354
CMYK	0.03, 0.00, 0.20, 0.05
HSL	69°, 67%, 86%
HSV	69°, 20%, 95%
XYZ	76.4962, 85.8742, 64.1508
YIQ	235.4350, 11.2360, -16.4120

Conversions

Conversions Part 2

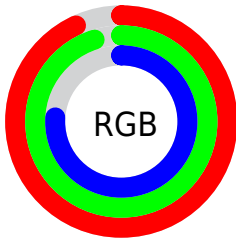
Format	Color
R_{YB}	195, 243, 202
Decimal	15528899
CIE _{Lab}	94.26, -10.16, 22.44
CIE _{LCh}	94, 24.629, 114.368
Y _{xy}	85.8742, 0.3377, 0.3791
Android (android.graphics.Color)	4293718979 (0xFFEFC3C3)
YUV	235.4350, -19.9345, 0.4955
Hunter-Lab	92.6683, -14.8207, 23.8236

Details

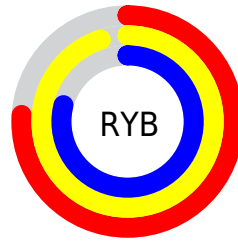
The Yxy color **85.8742, 0.3377, 0.3791** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.0331, 0.2846, 0.2752**, and the grayscale version is **83.5783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **47.1670, 0.3430, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **84.2690, 0.3503, 0.4054**, and if you desaturate by 10%, it is **87.6778, 0.3250, 0.3532**.

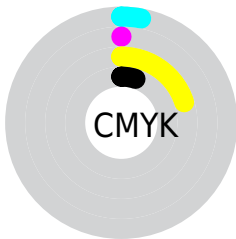
Distribution



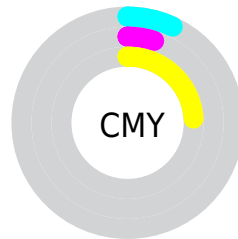
- Red (93%)
- Green (95%)
- Blue (76%)



- Red (76%)
- Yellow (95%)
- Blue (79%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)




- Cyan (7%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8742, 0.3377, 0.3791 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 85.8742, 0.3377, 0.3791 by changing the saturation by 10% instead.


 85.8742, 0.3377,
0.3791

 85.8742, 0.3377,
0.3791


514.5163, 0.3267,
0.3562

 64.5640, 0.3401,
0.3842


141.5939, 0.3340,
0.3712

 47.1076, 0.3429,
0.3906


176.7722, 0.3326,
0.3681

 33.1207, 0.3463,
0.3985


217.3419, 0.3313,
0.3655

 22.2189, 0.3506,
0.4087

263.6875, 0.3302,
0.3631

 14.0179, 0.3561,
0.4223

316.1933, 0.3292,
0.3611

 8.1331, 0.3631,
0.4413


375.2438, 0.3283,


 4.1802, 0.3722,

0.3593

0.4694


441.2234, 0.3275,
0.3577

 1.7749, 0.4072,
0.5465


 0.4714, 0.2979,
0.7021


 85.8742, 0.3377,
0.3791

 85.8742, 0.3377,
0.3791


 84.2690, 0.3503,
0.4054


 87.6778, 0.3250,
0.3532

 82.8420, 0.3622,
0.4313

 89.6765, 0.3124,
0.3284

 81.5878, 0.3729,
0.4558


 91.0253, 0.3079,
0.3173


 80.4958, 0.3819,
0.4778


 91.6714, 0.3101,
0.3174


 79.5547, 0.3886,
0.4963


 92.3297, 0.3124,
0.3175

 78.7512, 0.3928,
0.5105

 92.5819, 0.3133,
0.3175

 78.0698, 0.3943,
0.5201

 77.4851, 0.3935,
0.5256

 77.4720, 0.3935,
0.5257

Harmonies

Analogous

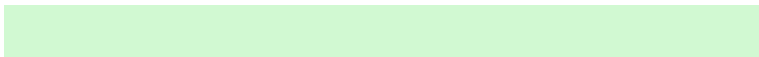
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8742, 0.3595, 0.3725



85.8742, 0.3377, 0.3791



85.8742, 0.3099, 0.3710

Triad

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



85.8742, 0.3377, 0.3791



85.8742, 0.2598, 0.2996



85.8742, 0.3415, 0.3090

Complementary

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



85.8742, 0.3377, 0.3791



58.0331, 0.2846, 0.2752

Split Complementary

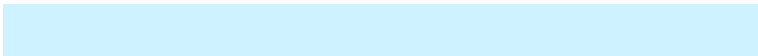
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8742, 0.3136, 0.2915



85.8742, 0.3377, 0.3791



85.8742, 0.2672, 0.2855

Square

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



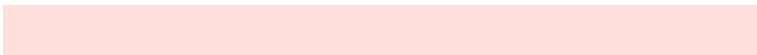
85.8742, 0.3377, 0.3791



85.8742, 0.2656, 0.3231



85.8742, 0.2865, 0.2829



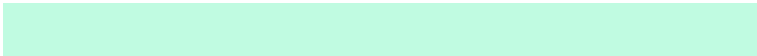
85.8742, 0.3620, 0.3317

Rectangle

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



85.8742, 0.3377, 0.3791



85.8742, 0.2918, 0.3579



85.8742, 0.2865, 0.2829



85.8742, 0.3326, 0.3024

Sweetspot

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



85.8780, 0.3377, 0.3791



98.6346, 0.3202, 0.3438



64.9389, 0.3507, 0.3360



21.0811, 0.3210, 0.3454



0.0000, 0.0000, 0.0000



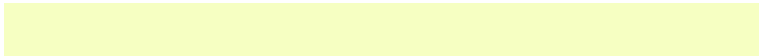
21.4041, 0.3127, 0.3290

Same Dimension

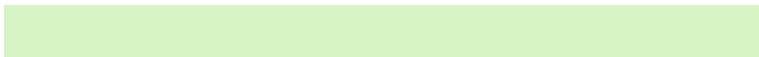
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8780, 0.3377, 0.3791



95.0198, 0.3431, 0.3904



82.1234, 0.3217, 0.3817



19.1846, 0.3246, 0.3525



42.5650, 0.3939, 0.5254



3.7736, 0.3973, 0.5227

Inverse Universe

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



58.0331, 0.2846, 0.2752



58.3668, 0.2775, 0.2619



61.5551, 0.3017, 0.2778



16.0421, 0.3002, 0.3047



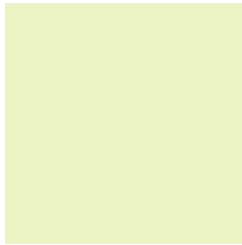
3.7849, 0.1558, 0.0632



0.3671, 0.1652, 0.0684

Previews

White Background



This preview shows how the Yxy color 85.8742, 0.3377, 0.3791 looks on a white background.

Color Contrast Check

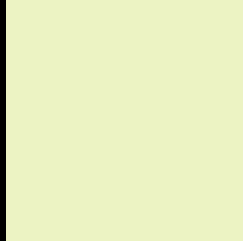
Large Text (above 18pt) WCAG AA × Fail

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 85.8742, 0.3377, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

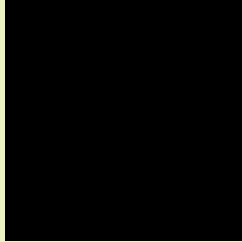
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

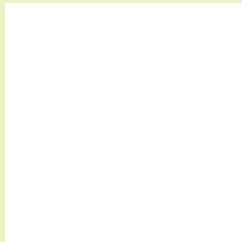
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8742, 0.3377, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 85.8742, 0.3377, 0.3791.

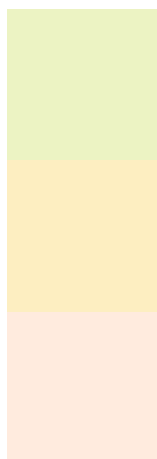


This preview shows how white text looks on a background with the Yxy color 85.8742, 0.3377, 0.3791.

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

85.8742, 0.3377, 0.3791

Protanopia

85.8820, 0.3519, 0.3744

Deuteranopia

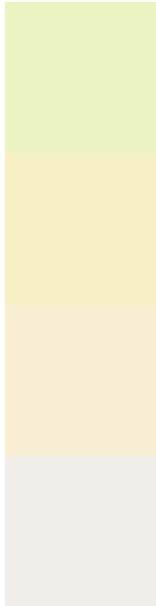
85.9506, 0.3347, 0.3420



Tritanopia

85.8055, 0.3070, 0.3103

Trichromacy



Original Color

85.8742, 0.3377, 0.3791

Protanomaly

85.9894, 0.3465, 0.3760

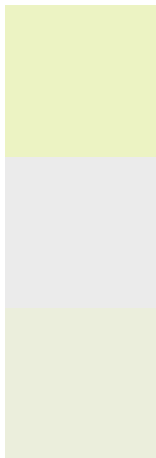
Deuteranomaly

85.8590, 0.3360, 0.3554

Tritanomaly

85.7330, 0.3178, 0.3341

Monochromacy



Original Color

85.8742, 0.3377, 0.3791

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9785, 0.3219, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8742, 0.3377, 0.3791 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(236, 243, 195)` looks like.

```
.text, #text, p{  
    color:rgb(236, 243, 195)  
}
```

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(236, 243, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 243, 195) }
```

Border

The CSS property to change the border of an element to Yxy 85.8742, 0.3377, 0.3791 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(236, 243, 195) }
```

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

```
.border{ border-color:rgb(236, 243, 195) }
```

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

Here you see how a box with a 4 pixel rgb(236, 243, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 243, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 243, 195);  
box-shadow:4px 4px 4px 4px rgb(236, 243,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8742, 0.3377, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 243, 195) }
```

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

```
.background{ background-color: rgb(236,  
243, 195) }
```

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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