

Converting Colors

$Yxy(85.2063, 0.3584, 0.4361)$

Have a look what the booklet for
Yxy(85.2063, 0.3584, 0.4361)
contains.

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Color

Yxy(85.3789, 0.3587, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	E2F892
RGB	226, 248, 146
RGB Percent	89%, 97%, 57%
CMY	0.1138, 0.0274, 0.4275
CMYK	0.09, 0.00, 0.41, 0.03
HSL	73°, 88%, 77%
HSV	73°, 41%, 97%
XYZ	70.1131, 85.3789, 39.9725
YIQ	229.7940, 19.6300, -36.3860

Conversions

Conversions Part 2

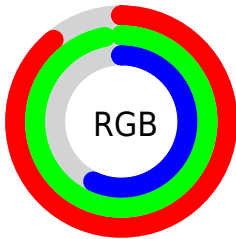
Format	Color
R_{YB}	146, 248, 168
Decimal	14874770
CIE _{Lab}	94.05, -22.56, 46.53
CIE _{LCh}	94, 51.709, 115.868
Yxy	85.3789, 0.3587, 0.4368
Android (android.graphics.Color)	4293064850 (0xFFE2F892)
YUV	229.7940, -41.3104, -3.3273
Hunter-Lab	92.4007, -26.2565, 39.0317

Details

The Yxy color **85.3789, 0.3587, 0.4368** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.6599, 0.2515, 0.2068**, and the grayscale version is **79.2693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **46.9246, 0.3661, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **83.8404, 0.3679, 0.4622**, and if you desaturate by 10%, it is **87.1196, 0.3482, 0.4101**.

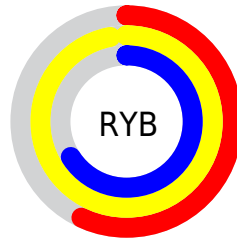
Distribution



Red (89%)

Green (97%)

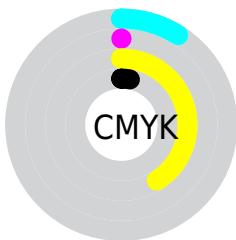
Blue (57%)



Red (57%)

Yellow (97%)

Blue (66%)

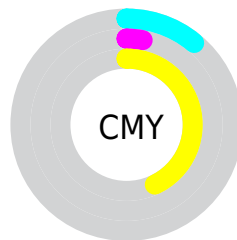


Cyan (9%)

Magenta (0%)

Yellow (41%)

Black (3%)



Cyan (11%)


Magenta (3%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3789, 0.3587, 0.4368 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 85.3789, 0.3587, 0.4368 by changing the saturation by 10% instead.

 85.3789, 0.3587,
0.4368

 85.3789, 0.3587,
0.4368


512.8810, 0.3399,
0.3872

 64.1545, 0.3623,
0.4478


 140.9024, 0.3527,
0.4198

 46.7758, 0.3663,
0.4612


 175.9704, 0.3502,
0.4131

 32.8585, 0.3707,
0.4778


216.4216, 0.3480,
0.4073

 22.0180, 0.3754,
0.4985

262.6405, 0.3460,
0.4023

 13.8702, 0.3796,
0.5250

315.0115, 0.3443,
0.3978

 8.0304, 0.3816,
0.5592


373.9190, 0.3427,


 4.1144, 0.3844,


0.3939

0.6156


439.7474, 0.3412,
0.3903


 1.7378, 0.3486,
0.6514

 0.4479, 0.0000,
1.0000


 85.3789, 0.3587,
0.4368


 85.3789, 0.3587,
0.4368


 83.8404, 0.3679,
0.4622


 87.1196, 0.3482,
0.4101


 82.4813, 0.3753,
0.4852


 89.0611, 0.3369,
0.3832


 81.2930, 0.3804,
0.5046


 91.2166, 0.3254,
0.3569

 80.2612, 0.3829,
0.5197

 93.5951, 0.3140,
0.3318

 79.3689, 0.3828,
0.5300

 95.2009, 0.3116,
0.3223

 78.6708, 0.3809,
0.5358

 95.6230, 0.3130,
0.3223

Harmonies

Analogous

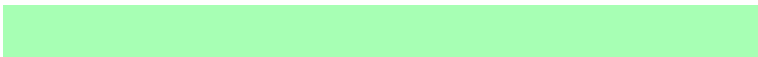
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3789, 0.4065, 0.4178



85.3789, 0.3587, 0.4368



85.3789, 0.3010, 0.4206

Triad

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



85.3789, 0.3587, 0.4368



85.3789, 0.2075, 0.2638



85.3789, 0.3755, 0.2899

Complementary

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



85.3789, 0.3587, 0.4368



35.6599, 0.2515, 0.2068

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.



85.3789, 0.3158, 0.2564



85.3789, 0.3587, 0.4368



85.3789, 0.2227, 0.2399

Square

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



85.3789, 0.3587, 0.4368



85.3789, 0.2164, 0.3103



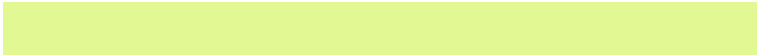
85.3789, 0.2605, 0.2384



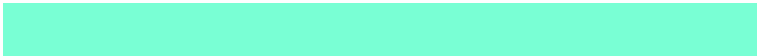
85.3789, 0.4190, 0.3330

Rectangle

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



85.3789, 0.3587, 0.4368



85.3789, 0.2650, 0.3898



85.3789, 0.2605, 0.2384



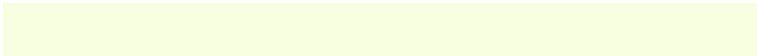
85.3789, 0.3563, 0.2773

Sweetspot

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



85.3827, 0.3587, 0.4368



96.9514, 0.3264, 0.3592



49.4494, 0.4093, 0.3513



20.6850, 0.3279, 0.3626



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

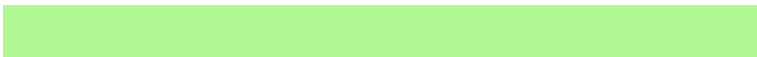
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3827, 0.3587, 0.4368



89.6287, 0.3661, 0.4571



78.5176, 0.3252, 0.4495



19.9905, 0.3235, 0.3527



42.5566, 0.3815, 0.5353



3.9868, 0.3863, 0.5315

Inverse Universe

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



35.6599, 0.2515, 0.2068



30.3706, 0.2368, 0.1800



42.1462, 0.2913, 0.2194



16.8237, 0.3013, 0.3047



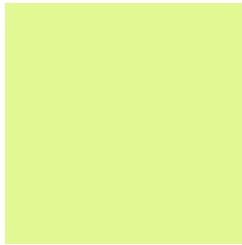
4.1276, 0.1611, 0.0661



0.4263, 0.1719, 0.0721

Previews

White Background



This preview shows how the Yxy color 85.3789, 0.3587, 0.4368 looks on a white background.

Color Contrast Check

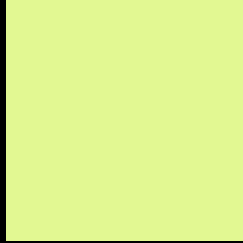
Large Text (above 18pt) WCAG AA × Fail

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 85.3789, 0.3587, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

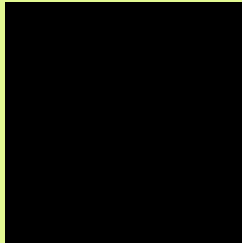
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3789, 0.3587, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 85.3789, 0.3587, 0.4368.

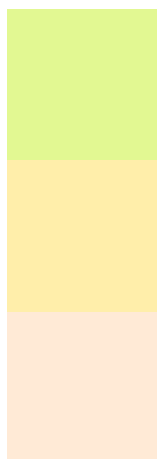


This preview shows how white text looks on a background with the Yxy color 85.3789, 0.3587, 0.4368.

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

85.3789, 0.3587, 0.4368

Protanopia

85.3114, 0.3683, 0.3973

Deuteranopia

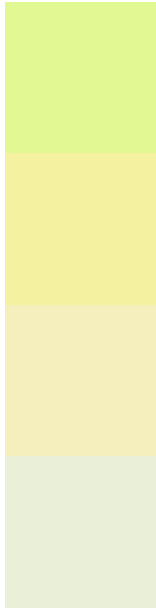
84.9607, 0.3402, 0.3490



Tritanopia

84.9231, 0.3038, 0.3101

Trichromacy



Original Color

85.3789, 0.3587, 0.4368

Protanomaly

85.3106, 0.3647, 0.4121

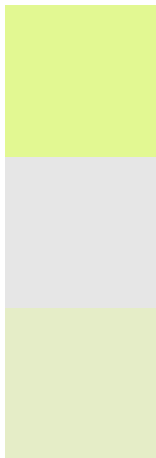
Deuteranomaly

84.6402, 0.3478, 0.3806

Tritanomaly

84.7189, 0.3242, 0.3550

Monochromacy



Original Color

85.3789, 0.3587, 0.4368

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

81.3499, 0.3312, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3789, 0.3587, 0.4368 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, 248, 146)` looks like.

```
.text, #text, p{  
    color:rgb(226, 248, 146)  
}
```

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, 248, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 248, 146) }
```

Border

The CSS property to change the border of an element to Yxy 85.3789, 0.3587, 0.4368 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, 248, 146) }
```

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

```
.border{ border-color:rgb(226, 248, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 248, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 248, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 248, 146);  
box-shadow:4px 4px 4px 4px rgb(226, 248,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3789, 0.3587, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 248, 146) }
```

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

```
.background{ background-color: rgb(226,  
248, 146) }
```

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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