

Converting Colors

$Yxy(85.7288, 0.3564, 0.4149)$

Have a look what the booklet for
Yxy(85.7288, 0.3564, 0.4149)
contains.

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Color

Yxy(85.6113, 0.3562, 0.4147)

Conversions

Conversions Part 1

Format	Color
Hex	EBF5A3
RGB	235, 245, 163
RGB Percent	92%, 96%, 64%
CMY	0.0783, 0.0392, 0.3608
CMYK	0.04, 0.00, 0.33, 0.04
HSL	67°, 80%, 80%
HSV	67°, 33%, 96%
XYZ	73.5345, 85.6113, 47.2958
YIQ	232.6620, 20.3620, -27.6220

Conversions

Conversions Part 2

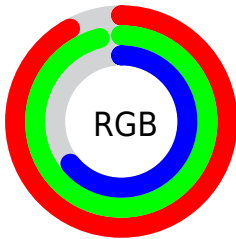
Format	Color
R_{YB}	163, 245, 173
Decimal	15463843
CIE _{Lab}	94.15, -15.76, 38.44
CIE _{LCh}	94, 41.545, 112.291
Y _{xy}	85.6113, 0.3562, 0.4147
Android (android.graphics.Color)	4293653923 (0xFFEBF5A3)
YUV	232.6620, -34.3434, 2.0504
Hunter-Lab	92.5264, -20.0600, 34.4618

Details

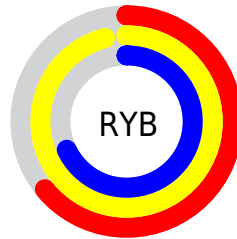
The Yxy color **85.6113, 0.3562, 0.4147** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.6628, 0.2594, 0.2309**, and the grayscale version is **81.4762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **46.9860, 0.3642, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **84.3184, 0.3682, 0.4399**, and if you desaturate by 10%, it is **87.0904, 0.3434, 0.3887**.

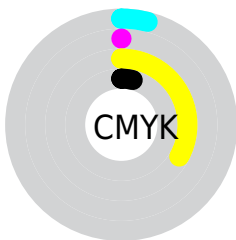
Distribution



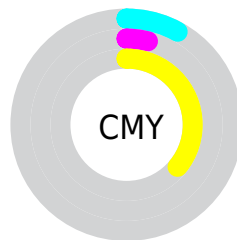
- Red (92%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (68%)



- Cyan (4%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)





- Cyan (8%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6113, 0.3562, 0.4147 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 85.6113, 0.3562, 0.4147 by changing the saturation by 10% instead.


 85.6113, 0.3562,
0.4147

 85.6113, 0.3562,
0.4147


513.6487, 0.3377,
0.3755

 64.3466, 0.3600,
0.4234


 141.2269, 0.3501,
0.4012

 46.9315, 0.3644,
0.4341


 176.3467, 0.3477,
0.3960

 32.9815, 0.3696,
0.4473


216.8535, 0.3455,
0.3914

 22.1123, 0.3756,
0.4640

263.1319, 0.3436,
0.3874

 13.9394, 0.3825,
0.4857

315.5662, 0.3419,
0.3839

 8.0785, 0.3896,
0.5144

374.5409, 0.3403,

 4.1452, 0.4038,

0.3808

0.5658

440.4402, 0.3389,
0.3780

■ 1.7551, 0.3921,
0.6079

■ 0.4590, 0.1010,
0.8990

■ 85.6113, 0.3562,
0.4147

■ 85.6113, 0.3562,
0.4147

■ 84.3184, 0.3682,
0.4399

■ 87.0904, 0.3434,
0.3887

■ 83.1903, 0.3788,
0.4632


■ 88.7534, 0.3302,
0.3627


■ 82.2200, 0.3874,
0.4835

■ 90.6125, 0.3172,
0.3375


■ 81.3952, 0.3936,
0.4999

■ 92.2837, 0.3080,
0.3193


 80.7017, 0.3972,
0.5119

 92.8283, 0.3099,
0.3193

 80.1222, 0.3982,
0.5194

 93.3816, 0.3118,
0.3194

 79.7887, 0.3978,
0.5224

 93.7813, 0.3132,
0.3194

Harmonies

Analogous

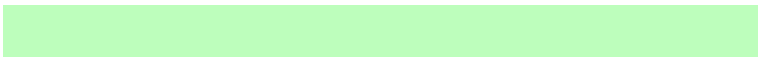
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6113, 0.3926, 0.3988



85.6113, 0.3562, 0.4147



85.6113, 0.3098, 0.4042

Triad

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



85.6113, 0.3562, 0.4147



85.6113, 0.2261, 0.2806



85.6113, 0.3580, 0.2935

Complementary

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



85.6113, 0.3562, 0.4147



41.6628, 0.2594, 0.2309

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.



85.6113, 0.3099, 0.2667



85.6113, 0.3562, 0.4147



85.6113, 0.2365, 0.2578

Square

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



85.6113, 0.3562, 0.4147



85.6113, 0.2364, 0.3204



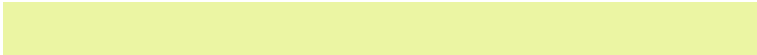
85.6113, 0.2660, 0.2537



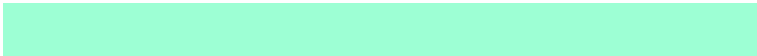
85.6113, 0.3949, 0.3289

Rectangle

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



85.6113, 0.3562, 0.4147



85.6113, 0.2797, 0.3820



85.6113, 0.2660, 0.2537



85.6113, 0.3424, 0.2833

Sweetspot

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



85.6151, 0.3562, 0.4147



97.8830, 0.3257, 0.3539



51.7749, 0.3879, 0.3397



20.8911, 0.3275, 0.3575



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

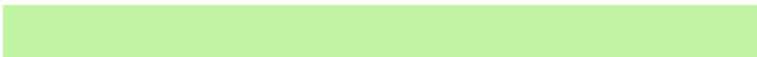
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6151, 0.3562, 0.4147



92.8076, 0.3643, 0.4315



79.4715, 0.3281, 0.4231



19.2056, 0.3250, 0.3525



43.0271, 0.3981, 0.5221



3.8098, 0.4009, 0.5199

Inverse Universe

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



41.6628, 0.2594, 0.2309



38.0423, 0.2466, 0.2083



47.0150, 0.2908, 0.2391



16.0230, 0.2998, 0.3046



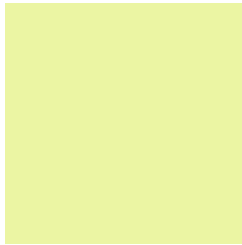
3.7289, 0.1544, 0.0624



0.3581, 0.1628, 0.0670

Previews

White Background



This preview shows how the Yxy color 85.6113, 0.3562, 0.4147 looks on a white background.

Color Contrast Check

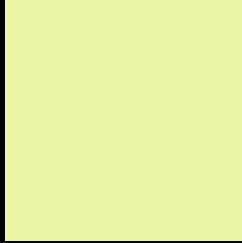
Large Text (above 18pt) WCAG AA × Fail

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 85.6113, 0.3562, 0.4147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

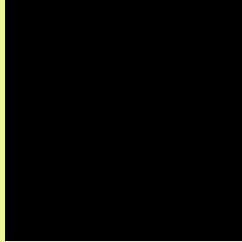
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

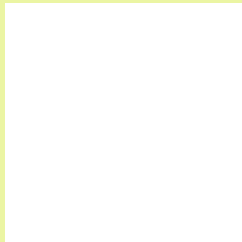
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6113, 0.3562, 0.4147

Background



This preview shows how black text looks on a background with the Yxy color 85.6113, 0.3562, 0.4147.

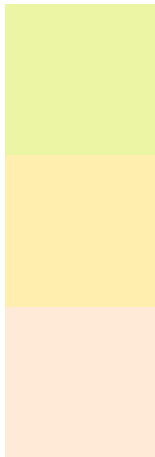


This preview shows how white text looks on a background with the Yxy color 85.6113, 0.3562, 0.4147.

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

85.6113, 0.3562, 0.4147

Protanopia

85.4651, 0.3657, 0.3934

Deuteranopia

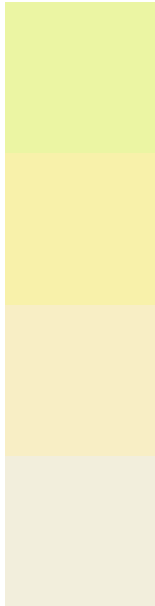
85.0635, 0.3388, 0.3470



Tritanopia

85.4667, 0.3096, 0.3113

Trichromacy



Original Color

85.6113, 0.3562, 0.4147

Protanomaly

85.7693, 0.3623, 0.4014

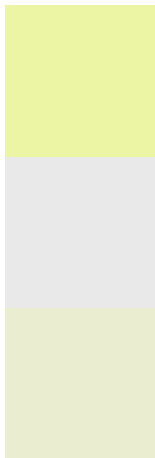
Deuteranomaly

85.1367, 0.3457, 0.3708

Tritanomaly

85.1936, 0.3267, 0.3474

Monochromacy



Original Color

85.6113, 0.3562, 0.4147

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.6149, 0.3289, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6113, 0.3562, 0.4147 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, 245, 163)` looks like.

```
.text, #text, p{  
    color:rgb(235, 245, 163)  
}
```

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, 245, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 245, 163) }
```

Border

The CSS property to change the border of an element to Yxy 85.6113, 0.3562, 0.4147 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, 245, 163) }
```

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

```
.border{ border-color:rgb(235, 245, 163) }
```

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

Here you see how a box with a 4 pixel rgb(235, 245, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 245, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 245, 163);  
box-shadow:4px 4px 4px 4px rgb(235, 245,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6113, 0.3562, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 245, 163) }
```

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

```
.background{ background-color: rgb(235,  
245, 163) }
```

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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