

Converting Colors

$Yxy(85.6618, 0.3519, 0.4087)$

Have a look what the booklet for
Yxy(85.6618, 0.3519, 0.4087)
contains.

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Color

Yxy(85.6618, 0.3519, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	EAFF5A9
RGB	234, 245, 169
RGB Percent	92%, 96%, 66%
CMY	0.0822, 0.0392, 0.3373
CMYK	0.04, 0.00, 0.31, 0.04
HSL	69°, 79%, 81%
HSV	69°, 31%, 96%
XYZ	73.7568, 85.6618, 50.1772
YIQ	233.0470, 17.8400, -25.9680

Conversions

Conversions Part 2

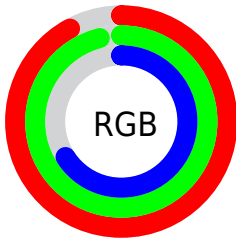
Format	Color
RYB	169, 245, 180
Decimal	15398313
CIELab	94.17, -15.39, 35.46
CIELCh	94, 38.657, 113.460
Yxy	85.6618, 0.3519, 0.4087
Android (android.graphics.Color)	4293588393 (0xFFEAF5A9)
YUV	233.0470, -31.5752, 0.8358
Hunter-Lab	92.5537, -19.7208, 32.6440

Details

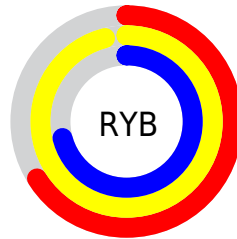
The Yxy color **85.6618, 0.3519, 0.4087** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.6598, 0.2652, 0.2394**, and the grayscale version is **81.7618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **47.0033, 0.3589, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **84.2388, 0.3637, 0.4345**, and if you desaturate by 10%, it is **87.2767, 0.3393, 0.3824**.

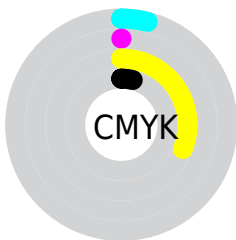
Distribution



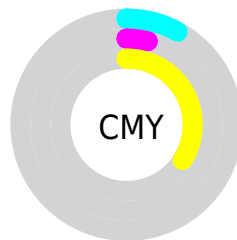
- Red (92%)
- Green (96%)
- Blue (66%)



- Red (66%)
- Yellow (96%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (8%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6618, 0.3519, 0.4087 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 85.6618, 0.3519, 0.4087 by changing the saturation by 10% instead.


 85.6618, 0.3519,
0.4087

 85.6618, 0.3519,
0.4087

513.8154, 0.3351,
0.3722

 64.3883, 0.3553,
0.4169


 141.2974, 0.3464,
0.3961

 46.9653, 0.3594,
0.4269


176.4284, 0.3441,
0.3912

 33.0082, 0.3642,
0.4393


216.9474, 0.3422,
0.3870

 22.1327, 0.3698,
0.4551

263.2387, 0.3404,
0.3833

 13.9545, 0.3764,
0.4758

315.6867, 0.3389,
0.3800

 8.0890, 0.3836,
0.5037


374.6759, 0.3375,


 4.1520, 0.3943,

0.3771

0.5484


440.5907, 0.3363,
0.3745

 1.7589, 0.3944,
0.6056


 0.4614, 0.1199,
0.8801


 85.6618, 0.3519,
0.4087


 85.6618, 0.3519,
0.4087


 84.2388, 0.3637,
0.4345


 87.2767, 0.3393,
0.3824


 82.9865, 0.3743,
0.4587


 89.0811, 0.3266,
0.3565


 81.8981, 0.3830,
0.4803

 91.0871, 0.3140,
0.3315


 80.9617, 0.3894,
0.4982


 92.5062, 0.3088,
0.3193

 80.1636, 0.3933,
0.5118

 93.1576, 0.3110,
0.3194

 79.4875, 0.3945,
0.5208

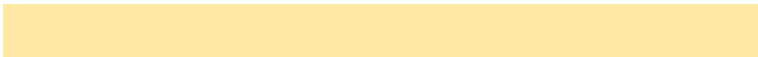
 93.7805, 0.3132,
0.3194

 78.9609, 0.3937,
0.5256

Harmonies

Analogous

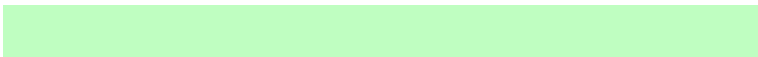
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6618, 0.3862, 0.3952



85.6618, 0.3519, 0.4087



85.6618, 0.3085, 0.3976

Triad

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



85.6618, 0.3519, 0.4087



85.6618, 0.2317, 0.2830



85.6618, 0.3565, 0.2970

Complementary

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



85.6618, 0.3519, 0.4087



44.6598, 0.2652, 0.2394

Split Complementary

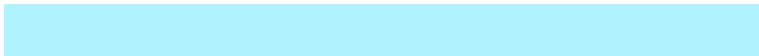
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6618, 0.3120, 0.2714



85.6618, 0.3519, 0.4087



85.6618, 0.2422, 0.2620

Square

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



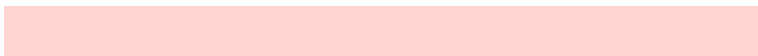
85.6618, 0.3519, 0.4087



85.6618, 0.2407, 0.3196



85.6618, 0.2706, 0.2587



85.6618, 0.3900, 0.3306

Rectangle

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



85.6618, 0.3519, 0.4087



85.6618, 0.2805, 0.3766



85.6618, 0.2706, 0.2587



85.6618, 0.3422, 0.2874

Sweetspot

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



85.6656, 0.3519, 0.4087



97.9877, 0.3240, 0.3514



54.5654, 0.3801, 0.3402



20.9074, 0.3259, 0.3551



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

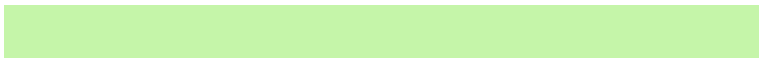
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6656, 0.3519, 0.4087



92.8549, 0.3592, 0.4244



80.0159, 0.3263, 0.4157



19.1856, 0.3246, 0.3525



42.5876, 0.3941, 0.5252



3.7754, 0.3975, 0.5226

Inverse Universe

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



44.6598, 0.2652, 0.2394



41.6132, 0.2540, 0.2191



49.7355, 0.2938, 0.2463



16.0411, 0.3002, 0.3047



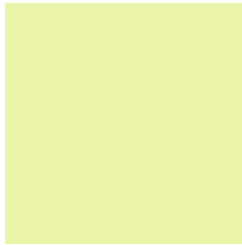
3.7819, 0.1557, 0.0632



0.3666, 0.1651, 0.0683

Previews

White Background



This preview shows how the Yxy color 85.6618, 0.3519, 0.4087 looks on a white background.

Color Contrast Check

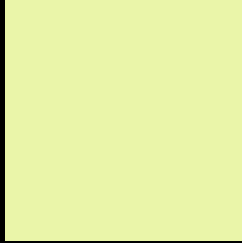
Large Text (above 18pt) WCAG AA × Fail

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 85.6618, 0.3519, 0.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

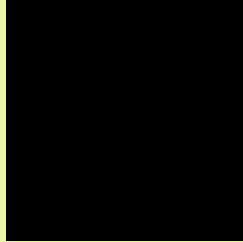
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

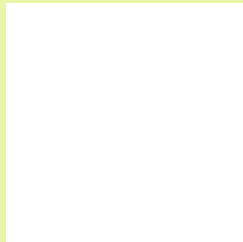
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6618, 0.3519, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 85.6618, 0.3519, 0.4087.

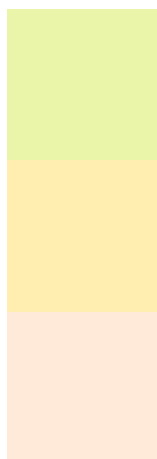


This preview shows how white text looks on a background with the Yxy color 85.6618, 0.3519, 0.4087.

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

85.6618, 0.3519, 0.4087

Protanopia

85.5437, 0.3644, 0.3914

Deuteranopia

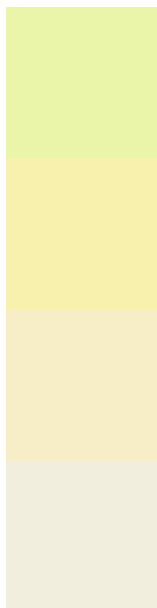
85.1154, 0.3382, 0.3460



Tritanopia

85.3500, 0.3083, 0.3103

Trichromacy



Original Color

85.6618, 0.3519, 0.4087

Protanomaly

85.7019, 0.3597, 0.3985

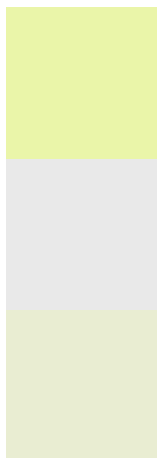
Deuteranomaly

85.0934, 0.3430, 0.3678

Tritanomaly

85.1238, 0.3247, 0.3454

Monochromacy



Original Color

85.6618, 0.3519, 0.4087

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.5452, 0.3269, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6618, 0.3519, 0.4087 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(234, 245, 169)` looks like.

```
.text, #text, p{  
    color:rgb(234, 245, 169)  
}
```

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(234, 245, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 245, 169) }
```

Border

The CSS property to change the border of an element to Yxy 85.6618, 0.3519, 0.4087 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(234, 245, 169) }
```

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

```
.border{ border-color:rgb(234, 245, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 245, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 245, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 245, 169); box-shadow:4px 4px 4px 4px rgb(234, 245, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6618, 0.3519, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 245, 169) }
```

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

```
.background{ background-color: rgb(234,  
245, 169) }
```

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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