

Converting Colors

$Yxy(89.4621, 0.3589, 0.4263)$

Have a look what the booklet for
Yxy(89.4621, 0.3589, 0.4263)
contains.

Yxy(89.2615, 0.3587, 0.4259)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.2615, 0.3587, 0.4259)

Conversions

Conversions Part 1

Format	Color
Hex	ECFB9D
RGB	236, 251, 157
RGB Percent	93%, 98%, 62%
CMY	0.0744, 0.0157, 0.3845
CMYK	0.06, 0.00, 0.37, 0.02
HSL	70°, 92%, 80%
HSV	70°, 37%, 98%
XYZ	75.1775, 89.2615, 45.1442
YIQ	235.7990, 21.2340, -32.4140

Conversions

Conversions Part 2

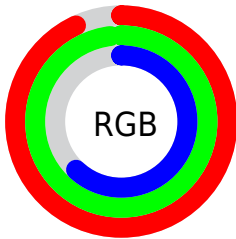
Format	Color
RYB	157, 251, 172
Decimal	15530909
CIELab	95.69, -19.02, 43.43
CIELCh	96, 47.415, 113.647
Yxy	89.2615, 0.3587, 0.4259
Android (android.graphics.Color)	4293720989 (0xFFEFCB9D)
YUV	235.7990, -38.8479, 0.1763
Hunter-Lab	94.4783, -23.3025, 37.8045

Details

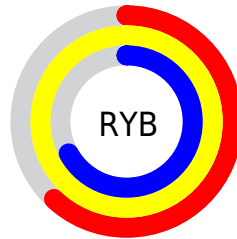
The Yxy color **89.2615, 0.3587, 0.4259** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8275, 0.2542, 0.2179**, and the grayscale version is **84.0116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **49.6134, 0.3666, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **87.8179, 0.3695, 0.4511**, and if you desaturate by 10%, it is **90.9045, 0.3468, 0.3996**.

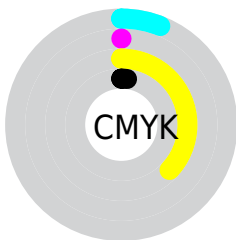
Distribution



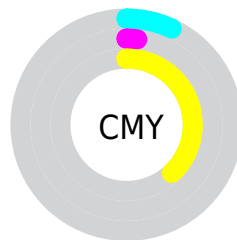
- Red (93%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (67%)



- Cyan (6%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)





- Cyan (7%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2615, 0.3587, 0.4259 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 89.2615, 0.3587, 0.4259 by changing the saturation by 10% instead.


 89.2615, 0.3587,
0.4259

 89.2615, 0.3587,
0.4259


525.6256, 0.3396,
0.3818

 67.3683, 0.3625,
0.4356

 146.3122, 0.3526,
0.4109

 49.3840, 0.3668,
0.4474


 182.2384, 0.3500,
0.4049

 34.9242, 0.3717,
0.4619


223.6111, 0.3478,
0.3998

 23.6045, 0.3772,
0.4802

270.8147, 0.3458,
0.3953

 15.0405, 0.3830,
0.5035

324.2336, 0.3440,
0.3913

 8.8478, 0.3881,
0.5336


384.2521, 0.3424,


 4.6420, 0.4015,


0.3878


0.5909


451.2546, 0.3409,
0.3846


 2.0388, 0.3774,
0.6226


 0.6299, 0.1759,
0.8241

 89.2615, 0.3587,
0.4259


 89.2615, 0.3587,
0.4259


 87.8179, 0.3695,
0.4511

 90.9045, 0.3468,
0.3996


 86.5507, 0.3787,
0.4740

 92.7450, 0.3344,
0.3732

 85.4518, 0.3857,
0.4937

 94.7962, 0.3219,
0.3475

 84.5074, 0.3901,
0.5092

 96.9140, 0.3110,
0.3252

■ 83.7013, 0.3919,
0.5201

■ 97.4759, 0.3129,
0.3252

■ 83.0122, 0.3913,
0.5265

■ 82.8483, 0.3909,
0.5278

Harmonies

Analogous

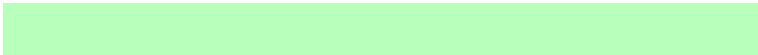
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2615, 0.4006, 0.4080



89.2615, 0.3587, 0.4259



89.2615, 0.3065, 0.4132

Triad

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



89.2615, 0.3587, 0.4259



89.2615, 0.2164, 0.2727



89.2615, 0.3658, 0.2909

Complementary

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



89.2615, 0.3587, 0.4259



39.8275, 0.2542, 0.2179

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.



89.2615, 0.3117, 0.2609



89.2615, 0.3587, 0.4259



89.2615, 0.2288, 0.2488

Square

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



89.2615, 0.3587, 0.4259



89.2615, 0.2265, 0.3164



89.2615, 0.2622, 0.2456



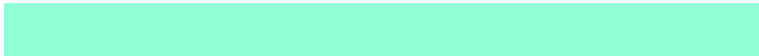
89.2615, 0.4067, 0.3302

Rectangle

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



89.2615, 0.3587, 0.4259



89.2615, 0.2732, 0.3871



89.2615, 0.2622, 0.2456



89.2615, 0.3483, 0.2795

Sweetspot

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



89.2655, 0.3587, 0.4259



97.4858, 0.3263, 0.3565



52.0921, 0.3995, 0.3443



20.8037, 0.3280, 0.3600



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

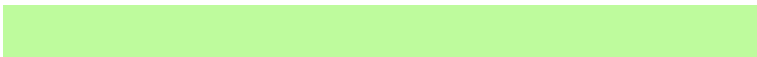
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2655, 0.3587, 0.4259



91.3777, 0.3670, 0.4451



82.3594, 0.3275, 0.4365



20.0426, 0.3244, 0.3526



43.6009, 0.3914, 0.5274



4.0745, 0.3950, 0.5246

Inverse Universe

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



39.8275, 0.2542, 0.2179



33.3720, 0.2396, 0.1919



45.9829, 0.2899, 0.2283



16.7757, 0.3004, 0.3046



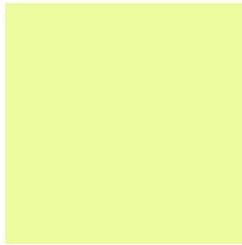
3.9380, 0.1567, 0.0637



0.4020, 0.1660, 0.0688

Previews

White Background



This preview shows how the Yxy color 89.2615, 0.3587, 0.4259 looks on a white background.

Color Contrast Check

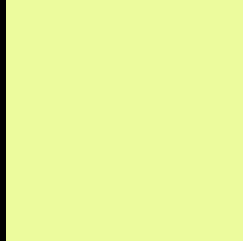
Large Text (above 18pt) WCAG AA × Fail

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 89.2615, 0.3587, 0.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

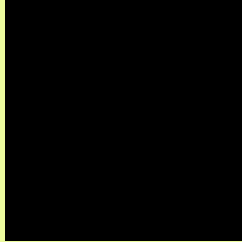
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

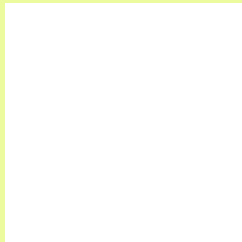
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2615, 0.3587, 0.4259

Background



This preview shows how black text looks on a background with the Yxy color 89.2615, 0.3587, 0.4259.

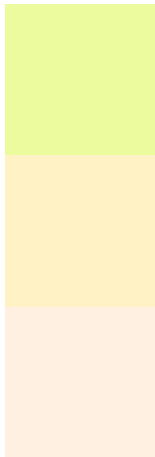


This preview shows how white text looks on a background with the Yxy color 89.2615, 0.3587, 0.4259.

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

89.2615, 0.3587, 0.4259

Protanopia

88.7955, 0.3498, 0.3740

Deuteranopia

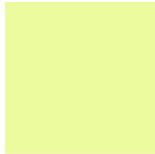
89.0712, 0.3315, 0.3428



Tritanopia

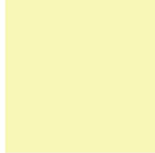
88.7272, 0.3082, 0.3134

Trichromacy



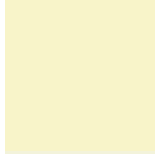
Original Color

89.2615, 0.3587, 0.4259



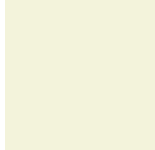
Protanomaly

88.6387, 0.3537, 0.3929



Deuteranomaly

88.8749, 0.3420, 0.3725



Tritanomaly

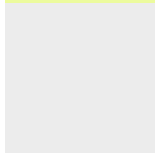
88.2703, 0.3274, 0.3533

Monochromacy



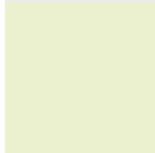
Original Color

89.2615, 0.3587, 0.4259



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.2485, 0.3304, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2615, 0.3587, 0.4259 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, 251, 157)` looks like.

```
.text, #text, p{  
    color:rgb(236, 251, 157)  
}
```

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, 251, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 251, 157) }
```

Border

The CSS property to change the border of an element to Yxy 89.2615, 0.3587, 0.4259 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, 251, 157) }
```

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

```
.border{ border-color:rgb(236, 251, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 251, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 251, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 251, 157); box-shadow:4px 4px 4px 4px rgb(236, 251, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2615, 0.3587, 0.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 251, 157) }
```

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

```
.background{ background-color: rgb(236,  
251, 157) }
```

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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