

Converting Colors

$Y_{xy}(77.8585, 0.3554, 0.4139)$

Have a look what the booklet for
Yxy(77.8585, 0.3554, 0.4139)
contains.

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Color

Yxy(77.8585, 0.3554, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	E1EB9D
RGB	225, 235, 157
RGB Percent	88%, 92%, 62%
CMY	0.1175, 0.0785, 0.3844
CMYK	0.04, 0.00, 0.33, 0.08
HSL	68°, 66%, 77%
HSV	68°, 33%, 92%
XYZ	66.8541, 77.8585, 43.3968
YIQ	223.1180, 19.0780, -26.3780

Conversions

Conversions Part 2

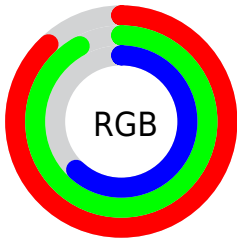
Format	Color
RYB	157, 235, 167
Decimal	14805917
CIELab	90.72, -15.31, 36.81
CIElCh	91, 39.866, 112.591
Yxy	77.8585, 0.3554, 0.4139
Android (android.graphics.Color)	4292995997 (0xFFE1EB9D)
YUV	223.1180, -32.5962, 1.6505
Hunter-Lab	88.2375, -19.1730, 32.6063

Details

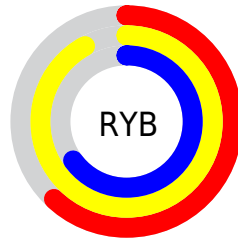
The Yxy color **77.8585, 0.3554, 0.4139** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.3173, 0.2604, 0.2322**, and the grayscale version is **74.1115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **41.6951, 0.3638, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **76.6572, 0.3673, 0.4392**, and if you desaturate by 10%, it is **79.2296, 0.3427, 0.3879**.

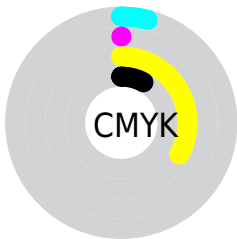
Distribution



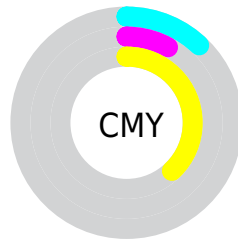
- Red (88%)
- Green (92%)
- Blue (62%)



- Red (62%)
- Yellow (92%)
- Blue (65%)



- Cyan (4%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)





- Cyan (12%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8585, 0.3554, 0.4139 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 77.8585, 0.3554, 0.4139 by changing the saturation by 10% instead.

 77.8585, 0.3554,
0.4139


 77.8585, 0.3554,
0.4139


487.6861, 0.3369,
0.3743

 57.9577, 0.3592,
0.4229

 130.3506, 0.3493,
0.4002

 41.7747, 0.3638,
0.4339


 163.7108, 0.3468,
0.3949

 28.9249, 0.3691,
0.4477


202.3262, 0.3446,
0.3903

 19.0240, 0.3753,
0.4653

246.5813, 0.3427,
0.3862

 11.6876, 0.3824,
0.4886

296.8605, 0.3410,
0.3827

 6.5314, 0.3896,
0.5197

353.5481, 0.3395,

 3.1708, 0.4119,

0.3796

0.5881

417.0285, 0.3381,
0.3768

■ 1.2215, 0.3816,
0.6184

■ 0.0792, 0.0000,
1.0000

■ 77.8585, 0.3554,
0.4139

■ 77.8585, 0.3554,
0.4139

■ 76.6572, 0.3673,
0.4392

■ 79.2296, 0.3427,
0.3879

■ 75.6064, 0.3778,
0.4626

■ 80.7682, 0.3297,
0.3619


■ 74.6996, 0.3864,
0.4831

■ 82.4855, 0.3168,
0.3368


■ 73.9258, 0.3926,
0.4999


■ 84.3887, 0.3043,
0.3129

 73.2724, 0.3961,
0.5122

 85.1650, 0.3038,
0.3091

 72.7239, 0.3971,
0.5199

 85.6943, 0.3058,
0.3092

 72.3944, 0.3967,
0.5232

 86.2323, 0.3077,
0.3094

 86.7790, 0.3097,
0.3095

 87.3345, 0.3117,
0.3096

Harmonies

Analogous

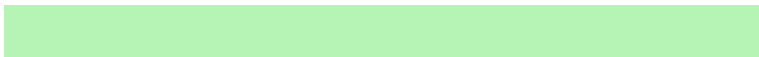
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8585, 0.3916, 0.3985



77.8585, 0.3554, 0.4139



77.8585, 0.3094, 0.4032

Triad

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



77.8585, 0.3554, 0.4139



77.8585, 0.2269, 0.2808



77.8585, 0.3580, 0.2941

Complementary

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



77.8585, 0.3554, 0.4139



38.3173, 0.2604, 0.2322

Split Complementary

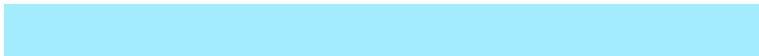
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8585, 0.3104, 0.2675



77.8585, 0.3554, 0.4139



77.8585, 0.2374, 0.2583

Square

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



77.8585, 0.3554, 0.4139



77.8585, 0.2369, 0.3201



77.8585, 0.2668, 0.2544



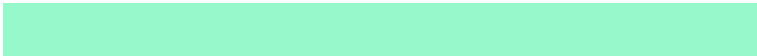
77.8585, 0.3944, 0.3293

Rectangle

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



77.8585, 0.3554, 0.4139



77.8585, 0.2796, 0.3811



77.8585, 0.2668, 0.2544



77.8585, 0.3426, 0.2840

Sweetspot

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



77.8620, 0.3554, 0.4139



97.8532, 0.3256, 0.3539



47.4003, 0.3868, 0.3396



20.8838, 0.3274, 0.3575



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

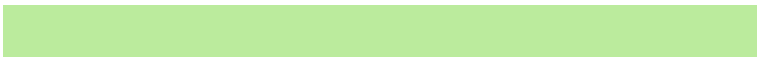
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8620, 0.3554, 0.4139



92.6945, 0.3638, 0.4317



72.3988, 0.3279, 0.4220



17.5238, 0.3248, 0.3524



40.3319, 0.3971, 0.5229



3.1943, 0.4003, 0.5203

Inverse Universe

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



38.3173, 0.2604, 0.2322



38.1111, 0.2470, 0.2084



43.1004, 0.2911, 0.2401



14.6410, 0.3000, 0.3048



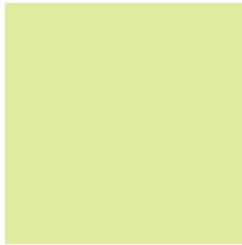
3.5216, 0.1549, 0.0627



0.3062, 0.1646, 0.0680

Previews

White Background



This preview shows how the Yxy color 77.8585, 0.3554, 0.4139 looks on a white background.

Color Contrast Check

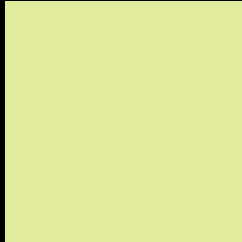
Large Text (above 18pt) WCAG AA × Fail

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 77.8585, 0.3554, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

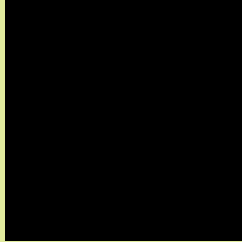
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8585, 0.3554, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 77.8585, 0.3554, 0.4139.

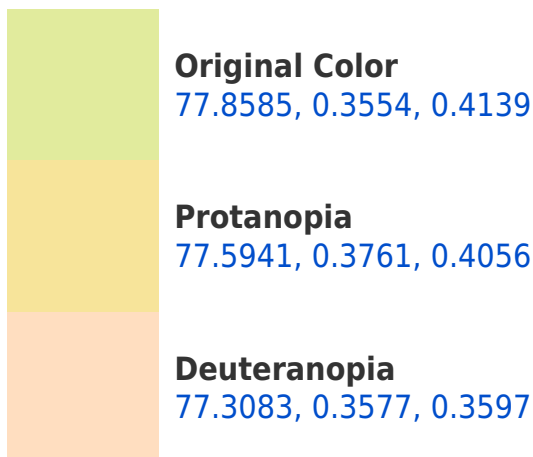


This preview shows how white text looks on a background with the Yxy color 77.8585, 0.3554, 0.4139.

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

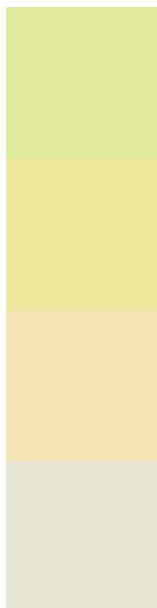




Tritanopia

77.5550, 0.3094, 0.3106

Trichromacy



Original Color

77.8585, 0.3554, 0.4139

Protanomaly

77.8691, 0.3683, 0.4092

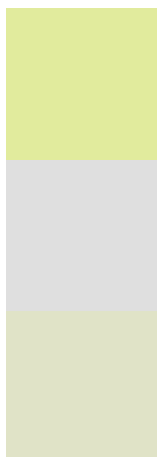
Deuteranomaly

77.4259, 0.3573, 0.3794

Tritanomaly

77.3458, 0.3266, 0.3471

Monochromacy



Original Color

77.8585, 0.3554, 0.4139

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.9090, 0.3289, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8585, 0.3554, 0.4139 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(225, 235, 157)` looks like.

```
.text, #text, p{  
    color:rgb(225, 235, 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(225, 235, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 235, 157) }
```

Border

The CSS property to change the border of an element to Yxy 77.8585, 0.3554, 0.4139 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(225, 235, 157) }
```

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

```
.border{ border-color:rgb(225, 235, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 235, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 235, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 235, 157);  
box-shadow:4px 4px 4px 4px rgb(225, 235,  
157) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.8585, 0.3554, 0.4139$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 235, 157) }
```

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

```
.background{ background-color: rgb(225,  
235, 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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