

Converting Colors

$Y_{xy}(77.1328, 0.3430, 0.3874)$

Have a look what the booklet for
Yxy(77.1328, 0.3430, 0.3874)
contains.

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Color

Yxy(77.1366, 0.3428, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	E2E8B3
RGB	226, 232, 179
RGB Percent	89%, 91%, 70%
CMY	0.1136, 0.0902, 0.2981
CMYK	0.03, 0.00, 0.23, 0.09
HSL	67°, 54%, 81%
HSV	67°, 23%, 91%
XYZ	68.3620, 77.1366, 53.9238
YIQ	224.1640, 13.4370, -17.7550

Conversions

Conversions Part 2

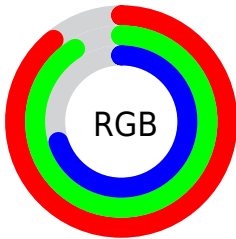
Format	Color
RYB	179, 232, 185
Decimal	14870707
CIELab	90.38, -10.57, 25.19
CIELCh	90, 27.314, 112.767
Yxy	77.1366, 0.3428, 0.3868
Android (android.graphics.Color)	4293060787 (0xFFE2E8B3)
YUV	224.1640, -22.2659, 1.6102
Hunter-Lab	87.8274, -14.7595, 25.0767

Details

The Yxy color **77.1366, 0.3428, 0.3868** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.3686, 0.2784, 0.2657**, and the grayscale version is **74.8233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **41.1031, 0.3491, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **75.8596, 0.3558, 0.4127**, and if you desaturate by 10%, it is **78.5848, 0.3295, 0.3610**.

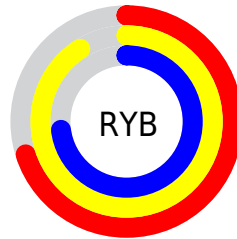
Distribution



Red (89%)

Green (91%)

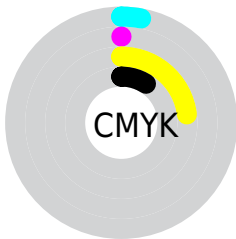
Blue (70%)



Red (70%)

Yellow (91%)

Blue (73%)

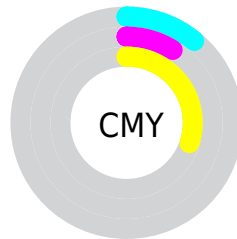


Cyan (3%)

Magenta (0%)

Yellow (23%)

Black (9%)



Cyan (11%)


Magenta (9%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1366, 0.3428, 0.3868 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 77.1366, 0.3428, 0.3868 by changing the saturation by 10% instead.


 77.1366, 0.3428,
0.3868

 77.1366, 0.3428,
0.3868


485.2296, 0.3294,
0.3599

 57.3650, 0.3457,
0.3930

 129.3323, 0.3383,
0.3774

 41.2984, 0.3492,
0.4006


162.5252, 0.3365,
0.3738

 28.5523, 0.3535,
0.4102


200.9606, 0.3349,
0.3707

 18.7424, 0.3589,
0.4227

245.0229, 0.3335,
0.3679

 11.4843, 0.3657,
0.4396

295.0966, 0.3323,
0.3656

 6.3936, 0.3743,
0.4635

351.5660, 0.3312,

 3.0858, 0.3861,

0.3634

0.5009

414.8156, 0.3303,
0.3616

■ 1.1767, 0.4150,
0.5850

■ 0.0426, 0.0000,
1.0000

■ 77.1366, 0.3428,
0.3868

■ 77.1366, 0.3428,
0.3868

■ 75.8596, 0.3558,
0.4127

■ 78.5848, 0.3295,
0.3610

■ 74.7357, 0.3680,
0.4378


■ 80.2013, 0.3164,
0.3359


■ 73.7595, 0.3788,
0.4610


■ 81.9965, 0.3037,
0.3122

■ 72.9218, 0.3877,
0.4814


■ 82.8482, 0.3015,
0.3059


 72.2117, 0.3943,
0.4979


 83.3000, 0.3032,
0.3061

 71.6172, 0.3983,
0.5101

 83.7585, 0.3050,
0.3062

 71.1233, 0.3996,
0.5178

 84.2235, 0.3067,
0.3063

 70.8154, 0.3994,
0.5211

 84.6952, 0.3084,
0.3064

 85.1735, 0.3101,
0.3065

Harmonies

Analogous

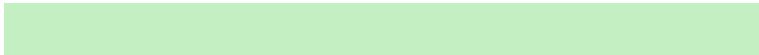
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1366, 0.3673, 0.3779



77.1366, 0.3428, 0.3868



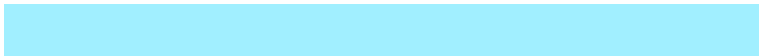
77.1366, 0.3110, 0.3785

Triad

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



77.1366, 0.3428, 0.3868



77.1366, 0.2522, 0.2963



77.1366, 0.3442, 0.3048

Complementary

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



77.1366, 0.3428, 0.3868



48.3686, 0.2784, 0.2657

Split Complementary

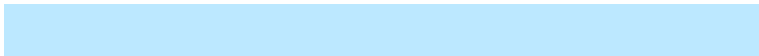
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1366, 0.3118, 0.2855



77.1366, 0.3428, 0.3868



77.1366, 0.2599, 0.2797

Square

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



77.1366, 0.3428, 0.3868



77.1366, 0.2596, 0.3236



77.1366, 0.2812, 0.2763



77.1366, 0.3686, 0.3304

Rectangle

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



77.1366, 0.3428, 0.3868



77.1366, 0.2901, 0.3639



77.1366, 0.2812, 0.2763



77.1366, 0.3338, 0.2975

Sweetspot

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



77.1400, 0.3428, 0.3868



98.5238, 0.3218, 0.3463



54.8093, 0.3584, 0.3351



21.0620, 0.3226, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

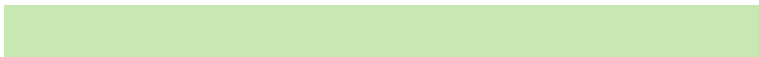
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1400, 0.3428, 0.3868



94.8901, 0.3484, 0.3979



73.2724, 0.3242, 0.3904



16.7305, 0.3250, 0.3523



39.3491, 0.3997, 0.5208



2.9313, 0.4027, 0.5184

Inverse Universe

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



48.3686, 0.2784, 0.2657



53.8579, 0.2708, 0.2521



51.8781, 0.2983, 0.2692



13.9645, 0.2998, 0.3048



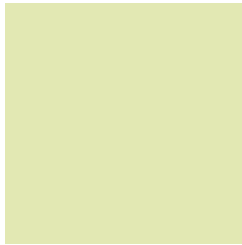
3.3843, 0.1541, 0.0623



0.2761, 0.1635, 0.0674

Previews

White Background



This preview shows how the Yxy color 77.1366, 0.3428, 0.3868 looks on a white background.

Color Contrast Check

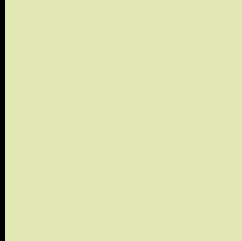
Large Text (above 18pt) WCAG AA × Fail

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 77.1366, 0.3428, 0.3868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

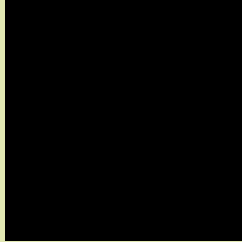
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1366, 0.3428, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 77.1366, 0.3428, 0.3868.

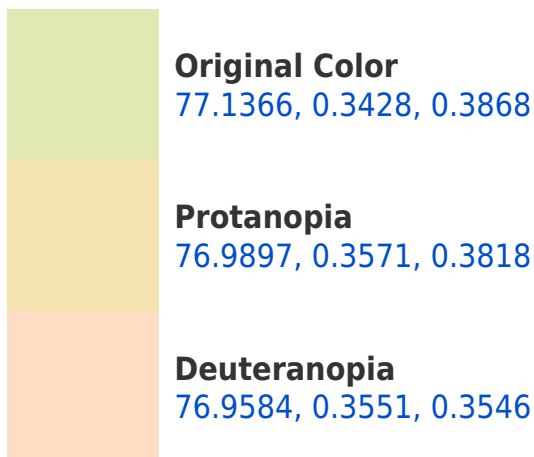


This preview shows how white text looks on a background with the Yxy color 77.1366, 0.3428, 0.3868.

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

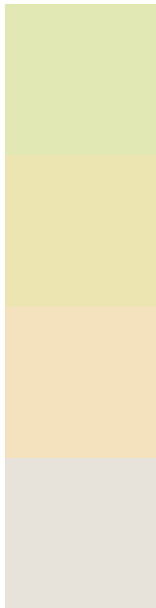




Tritanopia

77.1546, 0.3087, 0.3115

Trichromacy



Original Color

77.1366, 0.3428, 0.3868

Protanomaly

77.0858, 0.3515, 0.3835

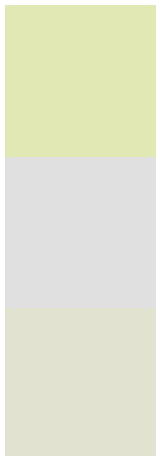
Deuteranomaly

76.8012, 0.3501, 0.3657

Tritanomaly

76.9890, 0.3214, 0.3386

Monochromacy



Original Color

77.1366, 0.3428, 0.3868

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4998, 0.3237, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1366, 0.3428, 0.3868 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, 232, 179)` looks like.

```
.text, #text, p{  
    color:rgb(226, 232, 179)  
}
```

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, 232, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 232, 179) }
```

Border

The CSS property to change the border of an element to Yxy 77.1366, 0.3428, 0.3868 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, 232, 179) }
```

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

```
.border{ border-color:rgb(226, 232, 179) }
```

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

Here you see how a box with a 4 pixel rgb(226, 232, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 232, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 232, 179);  
box-shadow:4px 4px 4px 4px rgb(226, 232,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1366, 0.3428, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 232, 179) }
```

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

```
.background{ background-color: rgb(226,  
232, 179) }
```

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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