

Converting Colors

$Yxy(77.4318, 0.3460, 0.3840)$

Have a look what the booklet for
Yxy(77.4318, 0.3460, 0.3840)
contains.

Yxy(77.4360, 0.3460, 0.3840)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.4360, 0.3460, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7B4
RGB	231, 231, 180
RGB Percent	91%, 91%, 71%
CMY	0.0940, 0.0941, 0.2941
CMYK	0.00, 0.00, 0.22, 0.09
HSL	60°, 52%, 81%
HSV	60°, 22%, 91%
XYZ	69.7731, 77.4360, 54.4472
YIQ	225.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

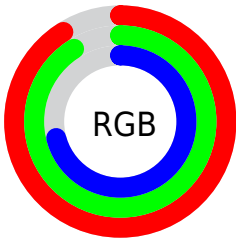
Format	Color
R _Y B	180, 231, 180
Decimal	15198132
CIE Lab	90.52, -8.10, 24.91
CIE LCh	91, 26.197, 108.014
Yxy	77.4360, 0.3460, 0.3840
Android (android.graphics.Color)	4293388212 (0xFFE7E7B4)
YUV	225.1860, -22.2767, 5.0989
Hunter-Lab	87.9977, -12.4641, 24.9137

Details

The Yxy color **77.4360, 0.3460, 0.3840** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.1225, 0.2754, 0.2674**, and the grayscale version is **75.5938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **41.6969, 0.3530, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **76.5706, 0.3611, 0.4089**, and if you desaturate by 10%, it is **78.4652, 0.3307, 0.3588**.

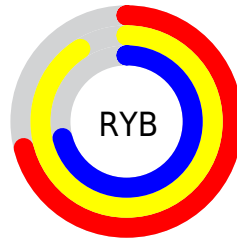
Distribution



Red (91%)

Green (91%)

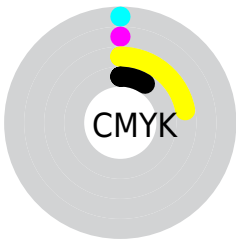
Blue (71%)



Red (71%)

Yellow (91%)

Blue (71%)

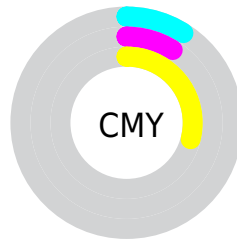


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4360, 0.3460, 0.3840 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 77.4360, 0.3460, 0.3840 by changing the saturation by 10% instead.

77.4360, 0.3460,
0.3840

77.4360, 0.3460,
0.3840

486.2493, 0.3311,
0.3585

57.6108, 0.3493,
0.3898

129.7548, 0.3409,
0.3752

41.4958, 0.3532,
0.3969

163.0171, 0.3389,
0.3717

28.7067, 0.3581,
0.4060

201.5272, 0.3372,
0.3688

18.8591, 0.3642,
0.4176

245.6696, 0.3357,
0.3662

11.5685, 0.3721,
0.4333

295.8286, 0.3343,
0.3639

6.4506, 0.3823,
0.4552

352.3887, 0.3331,

3.1209, 0.3965,

0.3619

0.4888

415.7341, 0.3320,
0.3601

■ 1.1952, 0.4326,
0.5674

■ 0.0578, 0.0000,
1.0000

■ 77.4360, 0.3460,
0.3840

■ 77.4360, 0.3460,
0.3840

■ 76.5706, 0.3611,
0.4089

■ 78.4652, 0.3307,
0.3588

■ 75.8509, 0.3754,
0.4326

■ 79.6552, 0.3158,
0.3340

■ 75.2719, 0.3885,
0.4542

■ 81.0161, 0.3014,
0.3103

■ 74.8243, 0.3996,
0.4725

■ 81.3820, 0.2980,
0.3047

■ 74.4978, 0.4083,
0.4870

■ 81.3864, 0.2980,
0.3047

■ 74.2804, 0.4145,
0.4971

■ 81.3909, 0.2980,
0.3047

■ 74.1578, 0.4180,
0.5030

■ 81.3953, 0.2980,
0.3047

■ 74.1096, 0.4194,
0.5052

■ 81.3998, 0.2980,
0.3047

■ 81.4042, 0.2980,
0.3047

Harmonies

Analogous

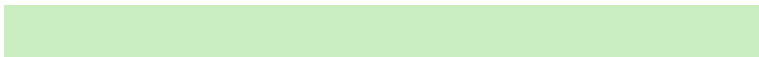
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4360, 0.3676, 0.3734



77.4360, 0.3460, 0.3840



77.4360, 0.3161, 0.3787

Triad

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



77.4360, 0.3460, 0.3840



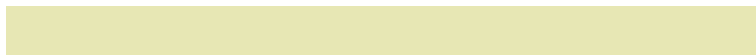
77.4360, 0.2548, 0.3013



77.4360, 0.3383, 0.3024

Complementary

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



77.4360, 0.3460, 0.3840



48.1225, 0.2754, 0.2674

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.



77.4360, 0.3069, 0.2851



77.4360, 0.3460, 0.3840



77.4360, 0.2599, 0.2834

Square

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



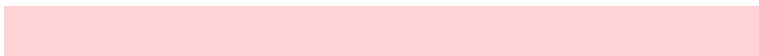
77.4360, 0.3460, 0.3840



77.4360, 0.2642, 0.3286



77.4360, 0.2785, 0.2781



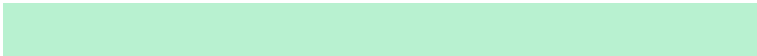
77.4360, 0.3634, 0.3263

Rectangle

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



77.4360, 0.3460, 0.3840



77.4360, 0.2957, 0.3662



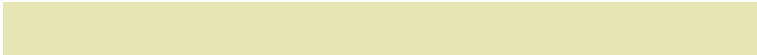
77.4360, 0.2785, 0.2781



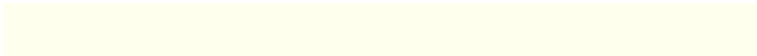
77.4360, 0.3280, 0.2957

Sweetspot

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



77.4395, 0.3460, 0.3840



98.8993, 0.3231, 0.3462



52.9637, 0.3569, 0.3282



21.1493, 0.3240, 0.3477



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.



77.4395, 0.3460, 0.3840



96.3165, 0.3537, 0.3967



73.6305, 0.3281, 0.3873



16.8163, 0.3268, 0.3522



41.5399, 0.4194, 0.5052



3.0699, 0.4194, 0.5052

Inverse Universe

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



48.1225, 0.2754, 0.2674



52.8689, 0.2655, 0.2510



51.3429, 0.2942, 0.2706



13.8880, 0.2980, 0.3047



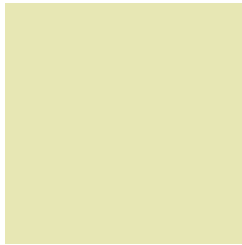
3.2358, 0.1500, 0.0600



0.2394, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 77.4360, 0.3460, 0.3840 looks on a white background.

Color Contrast Check

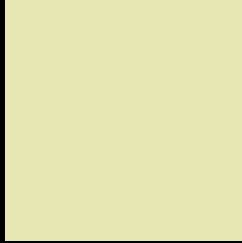
Large Text (above 18pt) WCAG AA × Fail

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 77.4360, 0.3460, 0.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

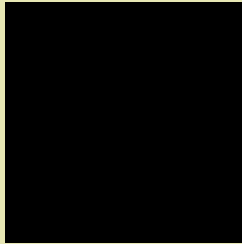
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

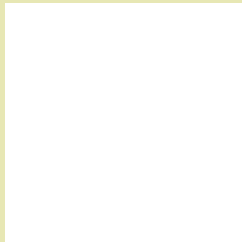
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4360, 0.3460, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 77.4360, 0.3460, 0.3840.

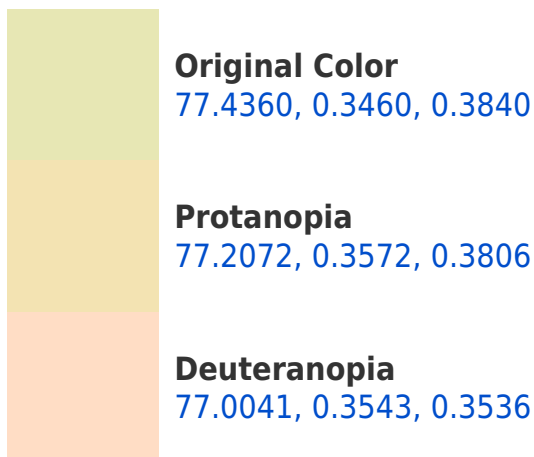


This preview shows how white text looks on a background with the Yxy color 77.4360, 0.3460, 0.3840.

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

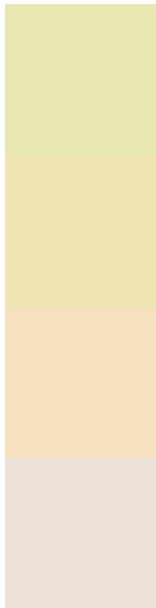




Tritanopia

77.4173, 0.3128, 0.3116

Trichromacy



Original Color

77.4360, 0.3460, 0.3840

Protanomaly

77.0922, 0.3533, 0.3810

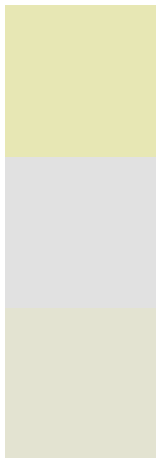
Deuteranomaly

77.2048, 0.3509, 0.3645

Tritanomaly

77.2875, 0.3250, 0.3374

Monochromacy



Original Color

77.4360, 0.3460, 0.3840

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.8725, 0.3245, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4360, 0.3460, 0.3840 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(231, 231, 180)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 180)  
}
```

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(231, 231, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 180) }
```

Border

The CSS property to change the border of an element to Yxy 77.4360, 0.3460, 0.3840 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(231, 231, 180) }
```

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

```
.border{ border-color:rgb(231, 231, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 180);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4360, 0.3460, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 180) }
```

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

```
.background{ background-color: rgb(231,  
231, 180) }
```

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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