

Converting Colors

$Y_{xy}(77.7310, 0.3513, 0.4041)$

Have a look what the booklet for
Yxy(77.7310, 0.3513, 0.4041)
contains.

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Color

Yxy(77.7310, 0.3513, 0.4041)

Conversions

Conversions Part 1

Format	Color
Hex	E2EAA5
RGB	226, 234, 165
RGB Percent	89%, 92%, 65%
CMY	0.1138, 0.0823, 0.3528
CMYK	0.03, 0.00, 0.29, 0.08
HSL	67°, 62%, 78%
HSV	67°, 29%, 92%
XYZ	67.5746, 77.7310, 47.0502
YIQ	223.7420, 17.3810, -23.1550

Conversions

Conversions Part 2

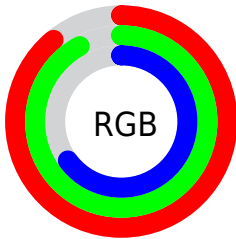
Format	Color
RYB	165, 234, 173
Decimal	14871205
CIELab	90.66, -13.47, 32.69
CIELCh	91, 35.354, 112.398
Yxy	77.7310, 0.3513, 0.4041
Android (android.graphics.Color)	4293061285 (0xFFE2EAA5)
YUV	223.7420, -28.9598, 1.9803
Hunter-Lab	88.1652, -17.4769, 30.0749

Details

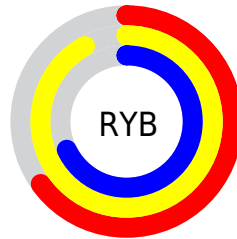
The Yxy color **77.7310, 0.3513, 0.4041** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **41.7515, 0.2667, 0.2444**, and the grayscale version is **74.5497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **41.5567, 0.3598, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **76.5216, 0.3638, 0.4296**, and if you desaturate by 10%, it is **79.1102, 0.3382, 0.3781**.

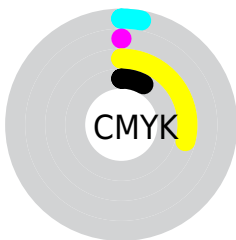
Distribution



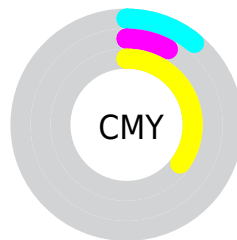
- Red (89%)
- Green (92%)
- Blue (65%)



- Red (65%)
- Yellow (92%)
- Blue (68%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)





- Cyan (11%)
- Magenta (8%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7310, 0.3513, 0.4041 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 77.7310, 0.3513, 0.4041 by changing the saturation by 10% instead.


 77.7310, 0.3513,
0.4041


 77.7310, 0.3513,
0.4041


487.2528, 0.3344,
0.3691

 57.8530, 0.3549,
0.4121


 130.1708, 0.3456,
0.3920

 41.6905, 0.3591,
0.4219


 163.5015, 0.3434,
0.3872

 28.8590, 0.3642,
0.4342


202.0852, 0.3414,
0.3832

 18.9742, 0.3704,
0.4501

246.3063, 0.3397,
0.3796

 11.6516, 0.3777,
0.4712

296.5492, 0.3381,
0.3765

 6.5069, 0.3860,
0.5001

353.1983, 0.3367,

 3.1557, 0.4059,

0.3738

0.5579

416.6381, 0.3355,
0.3713

■ 1.2136, 0.3951,
0.6049

■ 0.0727, 0.0000,
1.0000

■ 77.7310, 0.3513,
0.4041

■ 77.7310, 0.3513,
0.4041

■ 76.5216, 0.3638,
0.4296

■ 79.1102, 0.3382,
0.3781

■ 75.4631, 0.3751,
0.4537


■ 80.6568, 0.3250,
0.3524

■ 74.5497, 0.3846,
0.4752

■ 82.3816, 0.3121,
0.3277


■ 73.7708, 0.3919,
0.4932


■ 84.0555, 0.3018,
0.3080

 73.1147, 0.3967,
0.5070


 84.5278, 0.3036,
0.3081


 72.5672, 0.3988,
0.5162


 85.0074, 0.3053,
0.3082

 72.1056, 0.3987,
0.5214

 85.4941, 0.3071,
0.3083

 72.0825, 0.3987,
0.5216

 85.9880, 0.3089,
0.3085

 86.4892, 0.3107,
0.3086

Harmonies

Analogous

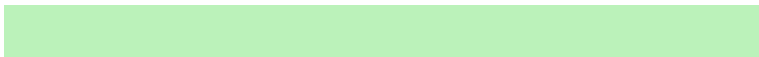
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7310, 0.3831, 0.3911



77.7310, 0.3513, 0.4041



77.7310, 0.3104, 0.3943

Triad

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



77.7310, 0.3513, 0.4041



77.7310, 0.2359, 0.2866



77.7310, 0.3527, 0.2977

Complementary

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



77.7310, 0.3513, 0.4041



41.7515, 0.2667, 0.2444

Split Complementary

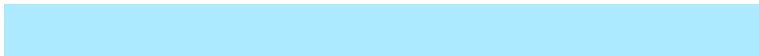
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7310, 0.3106, 0.2737



77.7310, 0.3513, 0.4041



77.7310, 0.2452, 0.2660

Square

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



77.7310, 0.3513, 0.4041



77.7310, 0.2451, 0.3218



77.7310, 0.2717, 0.2621



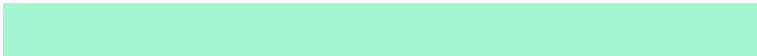
77.7310, 0.3849, 0.3295

Rectangle

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



77.7310, 0.3513, 0.4041



77.7310, 0.2837, 0.3751



77.7310, 0.2717, 0.2621



77.7310, 0.3391, 0.2886

Sweetspot

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



77.7345, 0.3513, 0.4041



98.1056, 0.3244, 0.3513



49.6878, 0.3762, 0.3370



20.9367, 0.3264, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

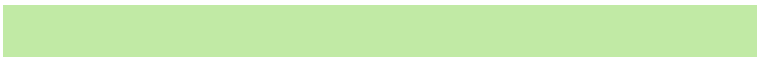
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7345, 0.3513, 0.4041



93.6057, 0.3585, 0.4187



72.8570, 0.3273, 0.4103



17.5328, 0.3250, 0.3524



40.5381, 0.3990, 0.5214



3.2085, 0.4020, 0.5190

Inverse Universe

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



41.7515, 0.2667, 0.2444



43.6485, 0.2560, 0.2254



46.0420, 0.2931, 0.2505



14.6329, 0.2998, 0.3048



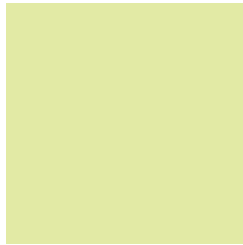
3.4986, 0.1543, 0.0623



0.3024, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 77.7310, 0.3513, 0.4041 looks on a white background.

Color Contrast Check

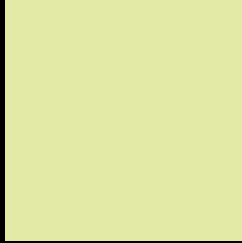
Large Text (above 18pt) WCAG AA × Fail

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 77.7310, 0.3513, 0.4041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

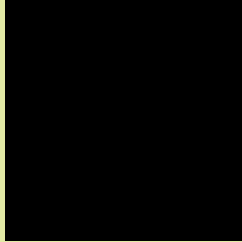
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

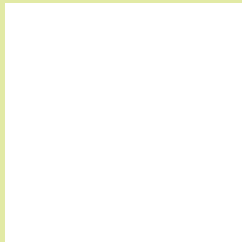
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7310, 0.3513, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 77.7310, 0.3513, 0.4041.

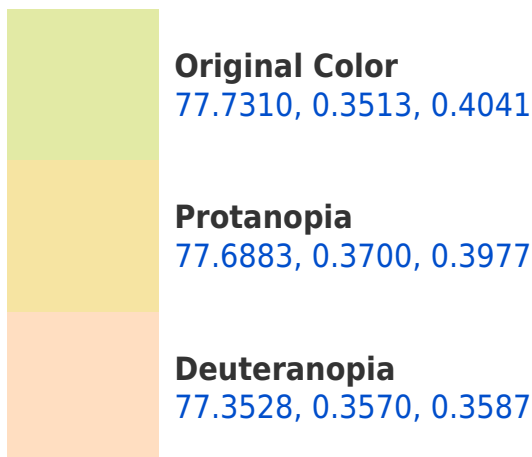


This preview shows how white text looks on a background with the Yxy color 77.7310, 0.3513, 0.4041.

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

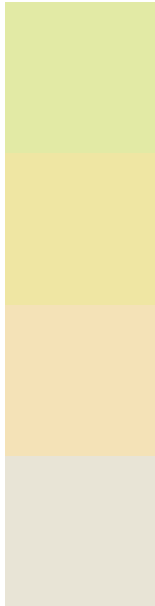




Tritanopia

77.5550, 0.3094, 0.3106

Trichromacy



Original Color

77.7310, 0.3513, 0.4041

Protanomaly

77.5887, 0.3634, 0.3999

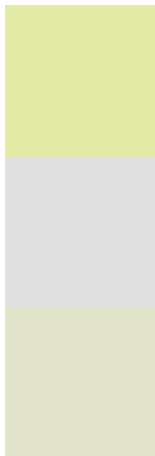
Deuteranomaly

77.0447, 0.3548, 0.3742

Tritanomaly

77.4976, 0.3246, 0.3439

Monochromacy



Original Color

77.7310, 0.3513, 0.4041

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.8062, 0.3269, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7310, 0.3513, 0.4041 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, 234, 165)` looks like.

```
.text, #text, p{  
    color:rgb(226, 234, 165)  
}
```

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, 234, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 234, 165) }
```

Border

The CSS property to change the border of an element to Yxy 77.7310, 0.3513, 0.4041 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, 234, 165) }
```

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

```
.border{ border-color:rgb(226, 234, 165) }
```

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

Here you see how a box with a 4 pixel rgb(226, 234, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 234, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 234, 165);  
box-shadow:4px 4px 4px 4px rgb(226, 234,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7310, 0.3513, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 234, 165) }
```

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

```
.background{ background-color: rgb(226,  
234, 165) }
```

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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