

Converting Colors

$Yxy(76.7836, 0.3515, 0.3932)$

Have a look what the booklet for
Yxy(76.7836, 0.3515, 0.3932)
contains.

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Color

Yxy(77.0810, 0.3519, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7AB
RGB	231, 231, 171
RGB Percent	91%, 91%, 67%
CMY	0.0941, 0.0941, 0.3294
CMYK	0.00, 0.00, 0.26, 0.09
HSL	60°, 56%, 79%
HSV	60°, 26%, 91%
XYZ	68.8796, 77.0810, 49.7758
YIQ	224.1600, 19.2600, -18.6600

Conversions

Conversions Part 2

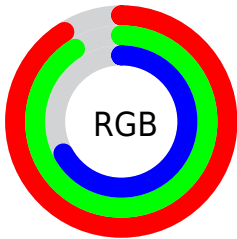
Format	Color
RYB	171, 231, 171
Decimal	15198123
CIELab	90.36, -9.33, 29.31
CIELCh	90, 30.758, 107.662
Yxy	77.0810, 0.3519, 0.3938
Android (android.graphics.Color)	4293388203 (0xFFE7E7AB)
YUV	224.1600, -26.2079, 5.9987
Hunter-Lab	87.7958, -13.6015, 27.8426

Details

The Yxy color **77.0810, 0.3519, 0.3938** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.5565, 0.2678, 0.2548**, and the grayscale version is **74.8435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **41.4726, 0.3605, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **76.2781, 0.3668, 0.4184**, and if you desaturate by 10%, it is **78.0448, 0.3367, 0.3686**.

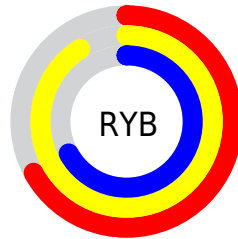
Distribution



Red (91%)

Green (91%)

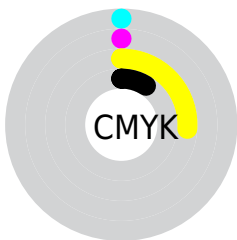
Blue (67%)



Red (67%)

Yellow (91%)

Blue (67%)

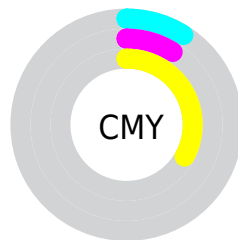


Cyan (0%)

Magenta (0%)

Yellow (26%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0810, 0.3519, 0.3938 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 77.0810, 0.3519, 0.3938 by changing the saturation by 10% instead.


 77.0810, 0.3519,
0.3938

 77.0810, 0.3519,
0.3938


485.0402, 0.3344,
0.3637

 57.3194, 0.3557,
0.4006

 129.2538, 0.3460,
0.3834

 41.2617, 0.3602,
0.4090


162.4338, 0.3436,
0.3793

 28.5236, 0.3658,
0.4196


200.8553, 0.3416,
0.3758

 18.7207, 0.3727,
0.4332

244.9028, 0.3398,
0.3728

 11.4687, 0.3814,
0.4513

294.9606, 0.3382,
0.3701

 6.3830, 0.3921,
0.4762

351.4132, 0.3368,

 3.0793, 0.4113,

0.3677

0.5203

414.6449, 0.3356,
0.3656

■ 1.1733, 0.4236,
0.5764

■ 0.0397, 0.0000,
1.0000

■ 77.0810, 0.3519,
0.3938

■ 77.0810, 0.3519,
0.3938

■ 76.2781, 0.3668,
0.4184

■ 78.0448, 0.3367,
0.3686

■ 75.6176, 0.3807,
0.4414

■ 79.1665, 0.3215,
0.3436

■ 75.0944, 0.3930,
0.4618

■ 80.4566, 0.3069,
0.3194

■ 74.6987, 0.4032,
0.4787

■ 81.3682, 0.2980,
0.3047

■ 74.4196, 0.4110,
0.4915

■ 81.3692, 0.2980,
0.3047

■ 74.2444, 0.4161,
0.5000

■ 81.3702, 0.2980,
0.3047

■ 74.1573, 0.4187,
0.5043

■ 81.3713, 0.2980,
0.3047

■ 74.1365, 0.4193,
0.5053

■ 81.3723, 0.2980,
0.3047

■ 81.3733, 0.2980,
0.3047

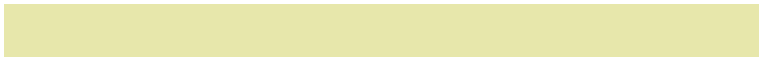
Harmonies

Analogous

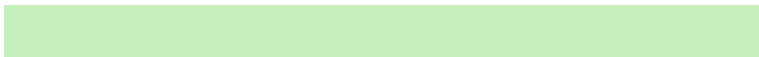
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0810, 0.3774, 0.3805



77.0810, 0.3519, 0.3938



77.0810, 0.3168, 0.3882

Triad

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



77.0810, 0.3519, 0.3938



77.0810, 0.2453, 0.2964



77.0810, 0.3422, 0.2976

Complementary

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



77.0810, 0.3519, 0.3938



43.5565, 0.2678, 0.2548

Split Complementary

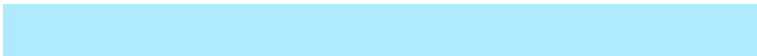
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0810, 0.3053, 0.2778



77.0810, 0.3519, 0.3938



77.0810, 0.2510, 0.2757

Square

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



77.0810, 0.3519, 0.3938



77.0810, 0.2562, 0.3286



77.0810, 0.2723, 0.2697



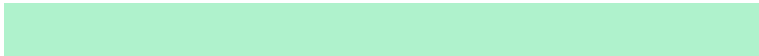
77.0810, 0.3722, 0.3251

Rectangle

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



77.0810, 0.3519, 0.3938



77.0810, 0.2929, 0.3734



77.0810, 0.2723, 0.2697



77.0810, 0.3301, 0.2899

Sweetspot

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



77.0845, 0.3519, 0.3938



98.7540, 0.3246, 0.3487



49.0572, 0.3682, 0.3292



21.0905, 0.3269, 0.3525



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.



77.0845, 0.3519, 0.3938



95.9086, 0.3597, 0.4067



72.5150, 0.3300, 0.3987



16.8170, 0.3268, 0.3522



41.5587, 0.4193, 0.5053



3.0711, 0.4193, 0.5053

Inverse Universe

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



43.5565, 0.2678, 0.2548



47.4778, 0.2573, 0.2374



47.3148, 0.2911, 0.2595



13.8874, 0.2980, 0.3047



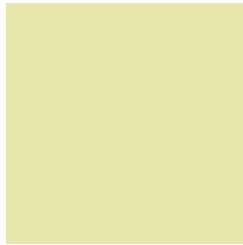
3.2348, 0.1500, 0.0600



0.2391, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 77.0810, 0.3519, 0.3938 looks on a white background.

Color Contrast Check

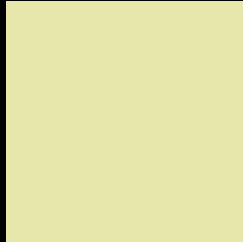
Large Text (above 18pt) WCAG AA × Fail

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 77.0810, 0.3519, 0.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

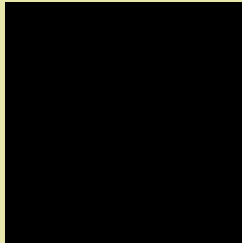
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0810, 0.3519, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 77.0810, 0.3519, 0.3938.

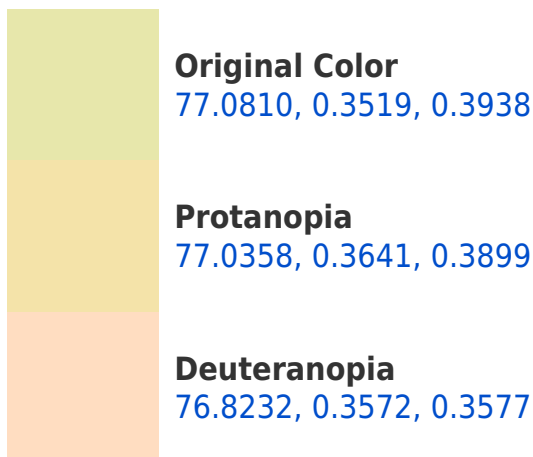


This preview shows how white text looks on a background with the Yxy color 77.0810, 0.3519, 0.3938.

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

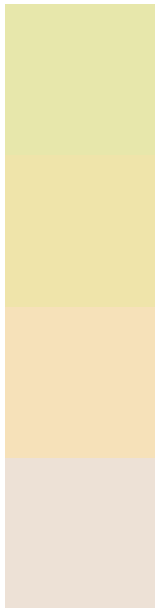




Tritanopia

76.9998, 0.3142, 0.3117

Trichromacy



Original Color

77.0810, 0.3519, 0.3938

Protanomaly

76.7398, 0.3593, 0.3906

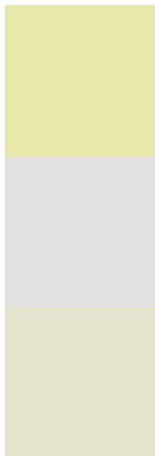
Deuteranomaly

76.9460, 0.3551, 0.3708

Tritanomaly

76.7100, 0.3285, 0.3406

Monochromacy



Original Color

77.0810, 0.3519, 0.3938

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.6768, 0.3271, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0810, 0.3519, 0.3938 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 171) }
```

Border

The CSS property to change the border of an element to Yxy 77.0810, 0.3519, 0.3938 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, 171) }
```

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

```
.border{ border-color:rgb(231, 231, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 171);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0810, 0.3519, 0.3938 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, 171) }
```

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

```
.background{ background-color: rgb(231,  
231, 171) }
```

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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