

Converting Colors

$Yxy(76.4866, 0.3166, 0.3377)$

Have a look what the booklet for
Yxy(76.4866, 0.3166, 0.3377)
contains.

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Color

Yxy(76.7700, 0.3171, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	E2E4DB
RGB	226, 228, 219
RGB Percent	89%, 89%, 86%
CMY	0.1137, 0.1059, 0.1411
CMYK	0.01, 0.00, 0.04, 0.11
HSL	73°, 14%, 88%
HSV	73°, 4%, 89%
XYZ	71.8954, 76.7700, 78.0623
YIQ	226.3760, 1.6970, -3.2230

Conversions

Conversions Part 2

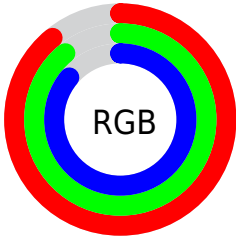
Format	Color
R_{YB}	219, 228, 221
Decimal	14869723
CIE Lab	90.22, -2.25, 4.13
CIE LCh	90, 4.704, 118.627
Yxy	76.7700, 0.3171, 0.3386
Android (android.graphics.Color)	4293059803 (0xFFE2E4DB)
YUV	226.3760, -3.6364, -0.3298
Hunter-Lab	87.6185, -6.8642, 8.5094

Details

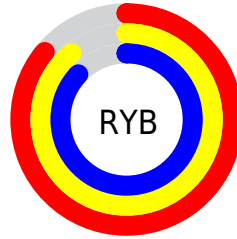
The Yxy color **76.7700, 0.3171, 0.3386** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.6543, 0.3082, 0.3193**, and the grayscale version is **76.3681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2254, 0.3184, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **74.8422, 0.3284, 0.3640**, and if you desaturate by 10%, it is **78.8934, 0.3061, 0.3147**.

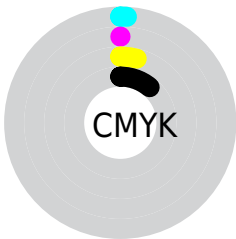
Distribution



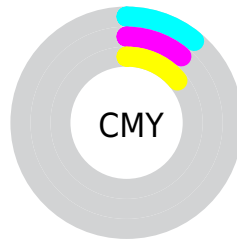
- Red (89%)
- Green (89%)
- Blue (86%)



- Red (86%)
- Yellow (89%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7700, 0.3171, 0.3386 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 76.7700, 0.3171, 0.3386 by changing the saturation by 10% instead.

■ 76.7700, 0.3171,
0.3386

■ 76.7700, 0.3171,
0.3386

483.9795, 0.3151,
0.3342

■ 57.0641, 0.3176,
0.3396

128.8148, 0.3164,
0.3371

■ 41.0567, 0.3181,
0.3408

161.9224, 0.3161,
0.3365

■ 28.3634, 0.3188,
0.3424

200.2662, 0.3159,
0.3360

■ 18.5998, 0.3197,
0.3445

244.2304, 0.3157,
0.3355

■ 11.3815, 0.3209,
0.3473

294.1994, 0.3155,
0.3351

■ 6.3240, 0.3227,
0.3513

350.5576, 0.3154,

■ 3.0431, 0.3253,

0.3348

0.3576

413.6895, 0.3152,
0.3345

■ 1.1543, 0.3300,
0.3688

■ 0.0239, 0.0000,
1.0000

■ 76.7700, 0.3171,
0.3386

■ 76.7700, 0.3171,
0.3386

■ 74.8422, 0.3284,
0.3640

■ 78.8934, 0.3061,
0.3147

■ 73.0932, 0.3397,
0.3905

■ 80.5732, 0.3014,
0.3018

■ 71.5190, 0.3506,
0.4174

■ 81.4583, 0.3047,
0.3021

■ 70.1118, 0.3607,
0.4438

■ 82.3684, 0.3081,
0.3024

■ 68.8629, 0.3693,
0.4687

■ 83.3037, 0.3116,
0.3027

■ 67.7631, 0.3760,
0.4909

■ 83.9690, 0.3139,
0.3029

■ 66.8019, 0.3803,
0.5094

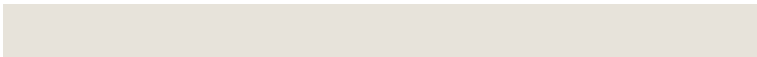
■ 65.9670, 0.3820,
0.5234

■ 65.2438, 0.3812,
0.5327

Harmonies

Analogous

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



76.7700, 0.3215, 0.3380



76.7700, 0.3171, 0.3386



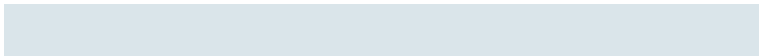
76.7700, 0.3115, 0.3365

Triad

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



76.7700, 0.3171, 0.3386



76.7700, 0.3020, 0.3229



76.7700, 0.3191, 0.3256

Complementary

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



76.7700, 0.3171, 0.3386



71.6543, 0.3082, 0.3193

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.



76.7700, 0.3139, 0.3217



76.7700, 0.3171, 0.3386



76.7700, 0.3040, 0.3200

Square

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



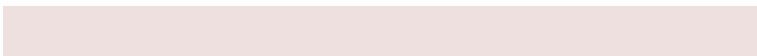
76.7700, 0.3171, 0.3386



76.7700, 0.3028, 0.3274



76.7700, 0.3083, 0.3196



76.7700, 0.3227, 0.3305

Rectangle

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



76.7700, 0.3171, 0.3386



76.7700, 0.3079, 0.3340



76.7700, 0.3083, 0.3196



76.7700, 0.3175, 0.3242

Sweetspot

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



76.7733, 0.3171, 0.3386



99.7290, 0.3138, 0.3314



73.3075, 0.3190, 0.3311



21.3490, 0.3138, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

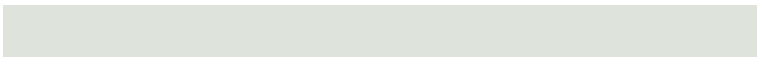
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7733, 0.3171, 0.3386



98.6698, 0.3183, 0.3413



76.0664, 0.3140, 0.3387



16.8092, 0.3190, 0.3429



37.4977, 0.3804, 0.5361



2.8110, 0.3864, 0.5314

Inverse Universe

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



71.6543, 0.3082, 0.3193



90.3032, 0.3069, 0.3165



72.3590, 0.3114, 0.3194



15.2055, 0.3062, 0.3149



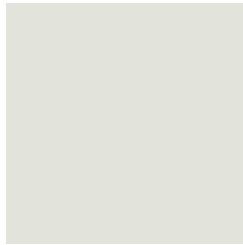
3.6829, 0.1621, 0.0666



0.3129, 0.1761, 0.0744

Previews

White Background



This preview shows how the Yxy color 76.7700, 0.3171, 0.3386 looks on a white background.

Color Contrast Check

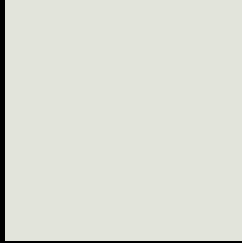
Large Text (above 18pt) WCAG AA × Fail

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 76.7700, 0.3171, 0.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

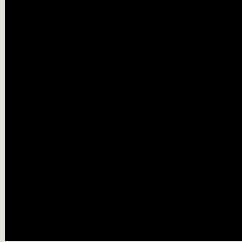
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

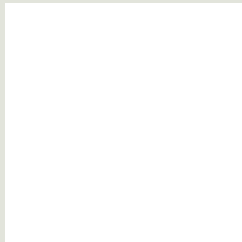
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7700, 0.3171, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 76.7700, 0.3171, 0.3386.

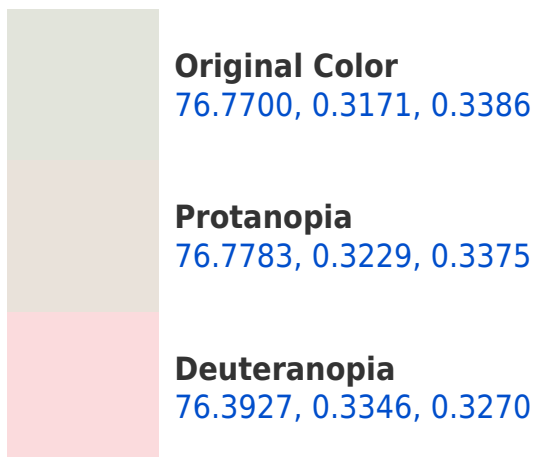


This preview shows how white text looks on a background with the Yxy color 76.7700, 0.3171, 0.3386.

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

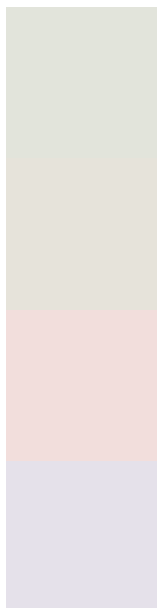




Tritanopia

76.5451, 0.3053, 0.3103

Trichromacy



Original Color

76.7700, 0.3171, 0.3386

Protanomaly

76.8231, 0.3207, 0.3386

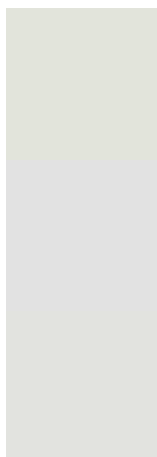
Deuteranomaly

76.2871, 0.3284, 0.3311

Tritanomaly

76.4490, 0.3097, 0.3196

Monochromacy



Original Color

76.7700, 0.3171, 0.3386

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.4346, 0.3146, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7700, 0.3171, 0.3386 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, 228, 219)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 219)  
}
```

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, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 219) }
```

Border

The CSS property to change the border of an element to Yxy 76.7700, 0.3171, 0.3386 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, 228, 219) }
```

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

```
.border{ border-color:rgb(226, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(226, 228,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7700, 0.3171, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 219) }
```

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

```
.background{ background-color: rgb(226,  
228, 219) }
```

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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