

Converting Colors

$Y_{xy}(76.8706, 0.3170, 0.3251)$

Have a look what the booklet for
Yxy(76.8706, 0.3170, 0.3251)
contains.

Yxy(76.9443, 0.3171, 0.3259)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.9443, 0.3171, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	EAE1E4
RGB	234, 225, 228
RGB Percent	92%, 88%, 89%
CMY	0.0822, 0.1177, 0.1060
CMYK	0.00, 0.04, 0.03, 0.08
HSL	340°, 18%, 90%
HSV	340°, 4%, 92%
XYZ	74.8666, 76.9443, 84.2869
YIQ	228.0330, 4.4010, 2.8410

Conversions

Conversions Part 2

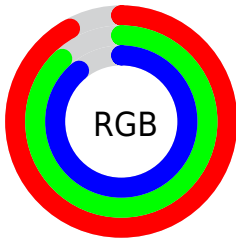
Format	Color
RYB	234, 225, 228
Decimal	15393252
CIELab	90.30, 3.59, -0.37
CIELCh	90, 3.611, 354.127
Yxy	76.9443, 0.3171, 0.3259
Android (android.graphics.Color)	4293583332 (0xFFEAE1E4)
YUV	228.0330, -0.0163, 5.2331
Hunter-Lab	87.7179, -1.1578, 4.4316

Details

The Yxy color **76.9443, 0.3171, 0.3259** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.6469, 0.3085, 0.3321**, and the grayscale version is **77.6106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2316, 0.3174, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **64.3172, 0.3302, 0.3175**, and if you desaturate by 10%, it is **91.3915, 0.3064, 0.3337**.

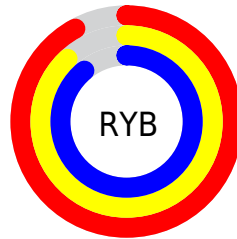
Distribution



Red (92%)

Green (88%)

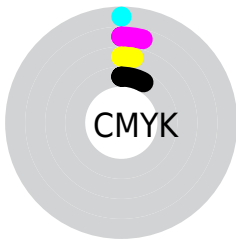
Blue (89%)



Red (92%)

Yellow (88%)

Blue (89%)

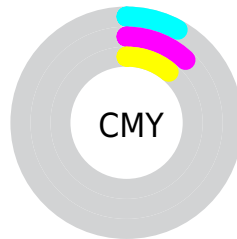


Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (8%)



Cyan (8%)


Magenta (12%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9443, 0.3171, 0.3259 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 76.9443, 0.3171, 0.3259 by changing the saturation by 10% instead.


 76.9443, 0.3171,
0.3259

 76.9443, 0.3171,
0.3259


484.5741, 0.3151,
0.3273

 57.2072, 0.3176,
0.3256

129.0609, 0.3164,
0.3264

 41.1716, 0.3181,
0.3252

162.2091, 0.3161,
0.3266

 28.4532, 0.3188,
0.3247


200.5964, 0.3159,
0.3268

 18.6676, 0.3197,
0.3240

244.6073, 0.3157,
0.3269

 11.4303, 0.3210,
0.3231

294.6261, 0.3155,
0.3270

 6.3571, 0.3228,
0.3219

351.0372, 0.3154,

 3.0634, 0.3255,

0.3271

0.3199

414.2251, 0.3152,
0.3272

■ 1.1649, 0.3304,
0.3165

■ 0.0328, 0.5576,
0.1538

■ 76.9443, 0.3171,
0.3259

■ 76.9443, 0.3171,
0.3259

■ 64.3172, 0.3302,
0.3175

■ 91.3915, 0.3064,
0.3337

■ 53.4279, 0.3462,
0.3087

■ 96.2388, 0.3000,
0.3290

■ 44.2027, 0.3658,
0.2996

■ 36.5589, 0.3893,
0.2909

■ 30.4064, 0.4171,
0.2833

■ 25.6459, 0.4488,
0.2777

■ 22.1663, 0.4833,
0.2754

■ 19.8388, 0.5185,
0.2776

■ 18.5073, 0.5512,
0.2848

Harmonies

Analogous

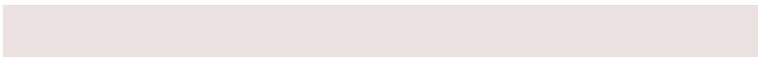
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9443, 0.3129, 0.3230



76.9443, 0.3171, 0.3259



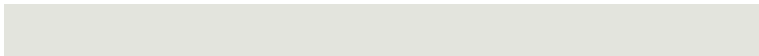
76.9443, 0.3201, 0.3296

Triad

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



76.9443, 0.3171, 0.3259



76.9443, 0.3167, 0.3364



76.9443, 0.3044, 0.3248

Complementary

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



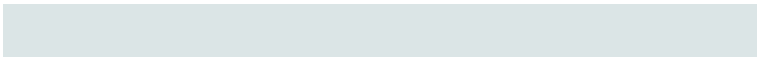
76.9443, 0.3171, 0.3259



80.6469, 0.3085, 0.3321

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.



76.9443, 0.3054, 0.3284



76.9443, 0.3171, 0.3259



76.9443, 0.3125, 0.3351

Square

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



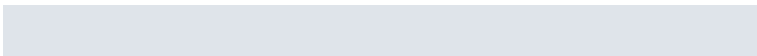
76.9443, 0.3171, 0.3259



76.9443, 0.3198, 0.3357



76.9443, 0.3083, 0.3322



76.9443, 0.3056, 0.3223

Rectangle

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



76.9443, 0.3171, 0.3259



76.9443, 0.3210, 0.3321



76.9443, 0.3083, 0.3322



76.9443, 0.3045, 0.3259

Sweetspot

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



76.9476, 0.3171, 0.3259



98.2742, 0.3138, 0.3282



76.7843, 0.3111, 0.3196



21.0529, 0.3138, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

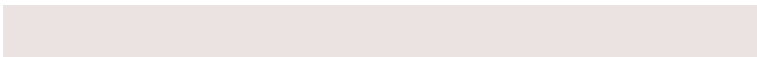
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9476, 0.3171, 0.3259



91.5949, 0.3185, 0.3250



77.6018, 0.3189, 0.3306



16.1941, 0.3193, 0.3244



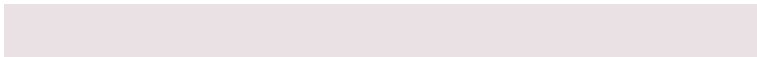
10.1527, 0.5651, 0.2887



0.8144, 0.5261, 0.2672

Inverse Universe

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



76.9476, 0.3171, 0.3259



91.5949, 0.3185, 0.3250



79.9623, 0.3067, 0.3274



16.1941, 0.3193, 0.3244



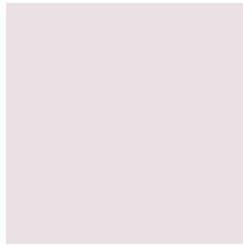
10.1527, 0.5651, 0.2887



0.8144, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 76.9443, 0.3171, 0.3259 looks on a white background.

Color Contrast Check

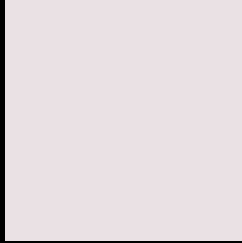
Large Text (above 18pt) WCAG AA × Fail

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 76.9443, 0.3171, 0.3259 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

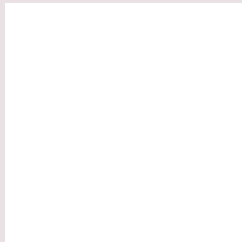
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9443, 0.3171, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 76.9443, 0.3171, 0.3259.

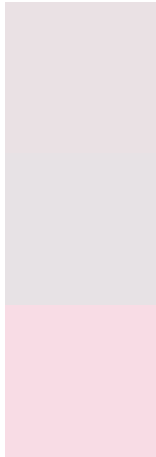


This preview shows how white text looks on a background with the Yxy color 76.9443, 0.3171, 0.3259.

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



Original Color

76.9443, 0.3171, 0.3259

Protanopia

77.0388, 0.3143, 0.3259

Deuteranopia

76.8000, 0.3268, 0.3199



Tritanopia

76.9591, 0.3101, 0.3105

Trichromacy



Original Color

76.9443, 0.3171, 0.3259

Protanomaly

77.2057, 0.3149, 0.3259

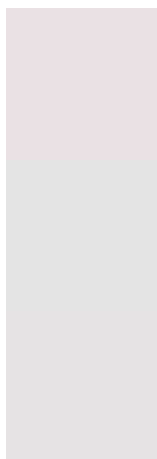
Deuteranomaly

76.9544, 0.3230, 0.3219

Tritanomaly

77.0296, 0.3126, 0.3166

Monochromacy



Original Color

76.9443, 0.3171, 0.3259

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.3626, 0.3141, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9443, 0.3171, 0.3259 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(234, 225, 228)` looks like.

```
.text, #text, p{  
    color:rgb(234, 225, 228)  
}
```

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(234, 225, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 225, 228) }
```

Border

The CSS property to change the border of an element to Yxy 76.9443, 0.3171, 0.3259 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(234, 225, 228) }
```

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

```
.border{ border-color:rgb(234, 225, 228) }
```

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

Here you see how a box with a 4 pixel rgb(234, 225, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 225, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 225, 228);  
box-shadow:4px 4px 4px 4px rgb(234, 225,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9443, 0.3171, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 225, 228) }
```

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

```
.background{ background-color: rgb(234,  
225, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor