

Converting Colors

$Yxy(78.5876, 0.3190, 0.3392)$

Have a look what the booklet for
Yxy(78.5876, 0.3190, 0.3392)
contains.

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Color

Yxy(78.5839, 0.3191, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	E6E6DC
RGB	230, 230, 220
RGB Percent	90%, 90%, 86%
CMY	0.0981, 0.0980, 0.1373
CMYK	0.00, 0.00, 0.04, 0.10
HSL	60°, 17%, 88%
HSV	60°, 4%, 90%
XYZ	73.8402, 78.5839, 78.9773
YIQ	228.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

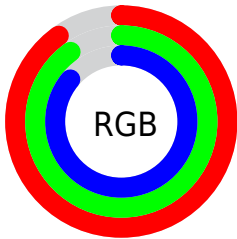
Format	Color
RYB	220, 230, 220
Decimal	15132380
CIELab	91.05, -1.76, 4.86
CIELCh	91, 5.172, 109.895
Yxy	78.5839, 0.3191, 0.3396
Android (android.graphics.Color)	4293322460 (0xFFE6E6DC)
YUV	228.8600, -4.3680, 0.9998
Hunter-Lab	88.6476, -6.4493, 9.2310

Details

The Yxy color **78.5839, 0.3191, 0.3396** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.1146, 0.3062, 0.3182**, and the grayscale version is **78.2762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4905, 0.3210, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **77.4355, 0.3341, 0.3645**, and if you desaturate by 10%, it is **79.9068, 0.3047, 0.3156**.

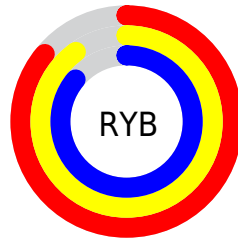
Distribution



Red (90%)

Green (90%)

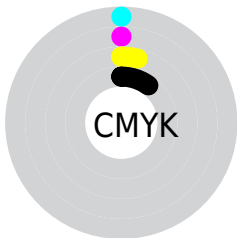
Blue (86%)



Red (86%)

Yellow (90%)

Blue (86%)

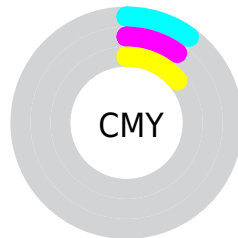


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (10%)



Cyan (10%)

Magenta (10%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5839, 0.3191, 0.3396 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 78.5839, 0.3191, 0.3396 by changing the saturation by 10% instead.

■ 78.5839, 0.3191,
0.3396

■ 78.5839, 0.3191,
0.3396

490.1476, 0.3162,
0.3347

■ 58.5538, 0.3198,
0.3407

131.3729, 0.3181,
0.3379

■ 42.2540, 0.3206,
0.3421

164.9006, 0.3177,
0.3373

■ 29.3002, 0.3216,
0.3438

203.6962, 0.3174,
0.3367

■ 19.3081, 0.3229,
0.3460

248.1442, 0.3171,
0.3362

■ 11.8931, 0.3246,
0.3490

298.6289, 0.3168,
0.3358

■ 6.6709, 0.3271,
0.3533

355.5348, 0.3166,

■ 3.2572, 0.3310,

0.3354

0.3600

419.2462, 0.3164,
0.3351

■ 1.2674, 0.3375,
0.3717

■ 0.1158, 0.3668,
0.6332

■ 78.5839, 0.3191,
0.3396

■ 78.5839, 0.3191,
0.3396

■ 77.4355, 0.3341,
0.3645

■ 79.9068, 0.3047,
0.3156

■ 76.4446, 0.3493,
0.3898


■ 80.6721, 0.2974,
0.3036


■ 75.6073, 0.3642,
0.4145

■ 80.6879, 0.2975,
0.3036

■ 74.9158, 0.3782,
0.4379


■ 80.7036, 0.2976,
0.3036


 74.3616, 0.3907,
0.4589

 80.7194, 0.2976,
0.3036

 73.9352, 0.4013,
0.4765

 80.7352, 0.2977,
0.3036

 73.6262, 0.4094,
0.4901

 80.7510, 0.2977,
0.3036

 73.4222, 0.4148,
0.4993

 80.7668, 0.2978,
0.3036

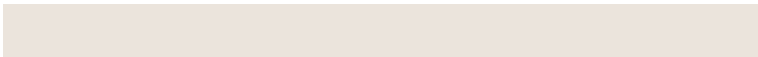
 73.3083, 0.4177,
0.5043

 80.7826, 0.2979,
0.3036

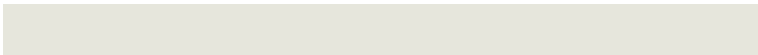
Harmonies

Analogous

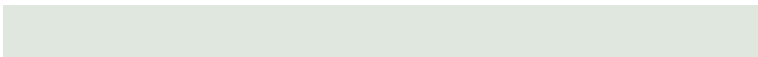
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5839, 0.3233, 0.3382



78.5839, 0.3191, 0.3396



78.5839, 0.3132, 0.3382

Triad

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



78.5839, 0.3191, 0.3396



78.5839, 0.3009, 0.3236



78.5839, 0.3182, 0.3239

Complementary

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



78.5839, 0.3191, 0.3396



72.1146, 0.3062, 0.3182

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.



78.5839, 0.3121, 0.3201



78.5839, 0.3191, 0.3396



78.5839, 0.3022, 0.3199

Square

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



78.5839, 0.3191, 0.3396



78.5839, 0.3028, 0.3288



78.5839, 0.3063, 0.3186



78.5839, 0.3228, 0.3291

Rectangle

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



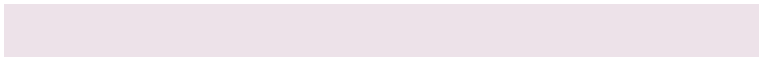
78.5839, 0.3191, 0.3396



78.5839, 0.3091, 0.3357



78.5839, 0.3063, 0.3186



78.5839, 0.3162, 0.3224

Sweetspot

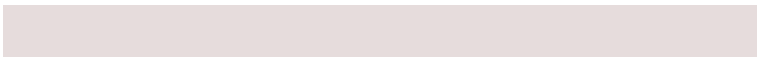
The Sweet Spot groups the original color and five complimentary colors.



78.5873, 0.3191, 0.3396



99.8348, 0.3142, 0.3314



73.1724, 0.3199, 0.3290



21.3705, 0.3141, 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.



78.5873, 0.3191, 0.3396



99.1958, 0.3201, 0.3412



77.7765, 0.3157, 0.3397



16.9103, 0.3210, 0.3428



41.4769, 0.4186, 0.5058



3.0660, 0.4187, 0.5057

Inverse Universe

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



72.1146, 0.3062, 0.3182



89.8040, 0.3052, 0.3165



72.9021, 0.3097, 0.3183



15.1102, 0.3042, 0.3148



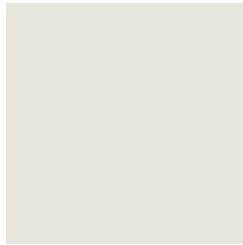
3.2392, 0.1501, 0.0601



0.2404, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 78.5839, 0.3191, 0.3396 looks on a white background.

Color Contrast Check

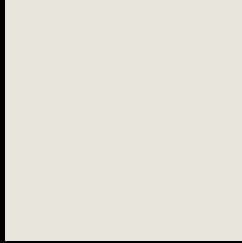
Large Text (above 18pt) WCAG AA × Fail

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 78.5839, 0.3191, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

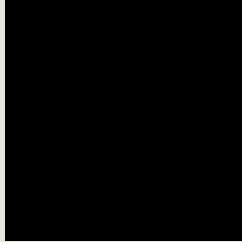
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

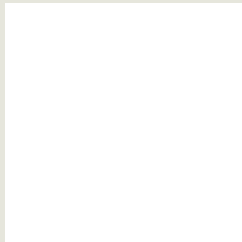
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5839, 0.3191, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 78.5839, 0.3191, 0.3396.

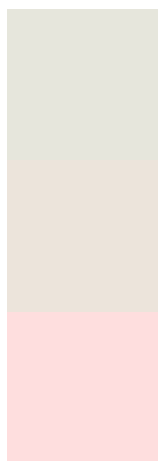


This preview shows how white text looks on a background with the Yxy color 78.5839, 0.3191, 0.3396.

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

78.5839, 0.3191, 0.3396

Protanopia

78.4341, 0.3241, 0.3384

Deuteranopia

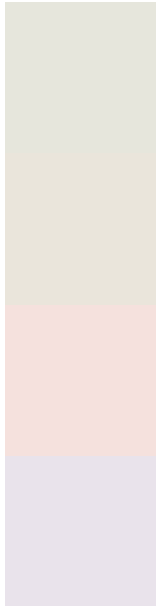
78.5873, 0.3357, 0.3291



Tritanopia

78.4168, 0.3067, 0.3105

Trichromacy



Original Color

78.5839, 0.3191, 0.3396

Protanomaly

78.6455, 0.3226, 0.3395

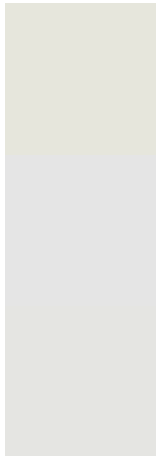
Deuteranomaly

78.4834, 0.3295, 0.3332

Tritanomaly

78.2600, 0.3117, 0.3207

Monochromacy



Original Color

78.5839, 0.3191, 0.3396

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1876, 0.3146, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5839, 0.3191, 0.3396 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(230, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(230, 230, 220)  
}
```

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(230, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 230, 220) }
```

Border

The CSS property to change the border of an element to Yxy 78.5839, 0.3191, 0.3396 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(230, 230, 220) }
```

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

```
.border{ border-color:rgb(230, 230, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 230, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 230, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 230, 220);  
box-shadow:4px 4px 4px 4px rgb(230, 230,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5839, 0.3191, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 230, 220) }
```

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

```
.background{ background-color: rgb(230,  
230, 220) }
```

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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