

# Converting Colors

$Yxy(80.9719, 0.3193, 0.3388)$

Have a look what the booklet for  
Yxy(80.9719, 0.3193, 0.3388)  
contains.

<b>Yxy(81.0980, 0.3197, 0.3394)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(81.0980, 0.3197, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE9DF
RGB	234, 233, 223
RGB Percent	92%, 91%, 87%
CMY	0.0824, 0.0863, 0.1254
CMYK	0.00, 0.00, 0.05, 0.08
HSL	55°, 21%, 90%
HSV	55°, 5%, 92%
XYZ	76.3908, 81.0980, 81.4564
YIQ	232.1590, 3.8060, -2.8980

# Conversions

## Conversions Part 2

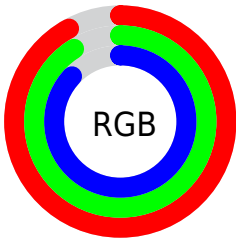
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 234, 223
Decimal	15395295
CIELab	92.18, -1.40, 4.95
CIELCh	92, 5.143, 105.754
Yxy	81.0980, 0.3197, 0.3394
Android (android.graphics.Color)	4293585375 (0xFFEAE9DF)
YUV	232.1590, -4.5154, 1.6146
Hunter-Lab	90.0544, -6.1784, 9.4089

# Details

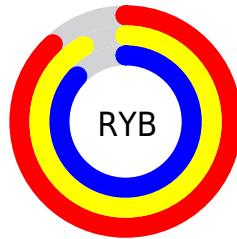
The Yxy color **81.0980, 0.3197, 0.3394** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.9514, 0.3056, 0.3184**, and the grayscale version is **80.8562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7364, 0.3210, 0.3411** is the 20% darker color. If you saturate the color by 10%, you get **78.7380, 0.3352, 0.3622**, and if you desaturate by 10%, it is **83.6538, 0.3051, 0.3175**.

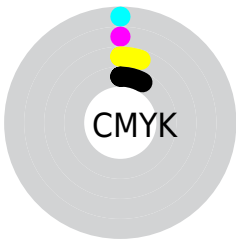
# Distribution



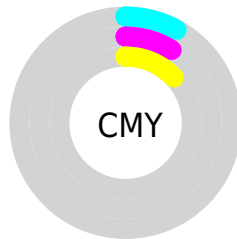
- Red (92%)
- Green (91%)
- Blue (87%)



- Red (88%)
- Yellow (92%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0980, 0.3197, 0.3394 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 81.0980, 0.3197, 0.3394 by changing the saturation by 10% instead.



81.0980, 0.3197,  
0.3394

81.0980, 0.3197,  
0.3394

498.6255, 0.3165,  
0.3347

60.6223, 0.3204,  
0.3405

134.9084, 0.3186,  
0.3378

43.9204, 0.3213,  
0.3418

169.0118, 0.3182,  
0.3371

30.6080, 0.3224,  
0.3434

208.4267, 0.3178,  
0.3366

20.3005, 0.3238,  
0.3455

253.5373, 0.3175,  
0.3361

12.6137, 0.3257,  
0.3484

304.7281, 0.3172,  
0.3357

7.1631, 0.3283,  
0.3525

362.3835, 0.3170,

3.5643, 0.3323,

0.3353

0.3587

426.8878, 0.3167,  
0.3350

■ 1.4329, 0.3392,  
0.3694

■ 0.2408, 0.4472,  
0.5528

■ 81.0980, 0.3197,  
0.3394

■ 81.0980, 0.3197,  
0.3394

■ 78.7380, 0.3352,  
0.3622

■ 83.6538, 0.3051,  
0.3175

■ 76.5560, 0.3512,  
0.3855

■ 85.4095, 0.2999,  
0.3112

■ 74.5479, 0.3674,  
0.4085

■ 86.6396, 0.2999,  
0.3133

■ 72.7055, 0.3831,  
0.4303

■ 87.8841, 0.2999,  
0.3154

71.0198, 0.3977,  
0.4500

89.1431, 0.2999,  
0.3176

69.4809, 0.4107,  
0.4665

90.4166, 0.2999,  
0.3197

68.0778, 0.4213,  
0.4791

91.7046, 0.2999,  
0.3218

66.7974, 0.4292,  
0.4873

93.0073, 0.2999,  
0.3239

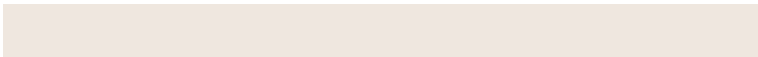
65.6239, 0.4344,  
0.4910

94.3246, 0.2999,  
0.3260

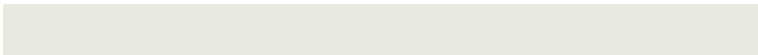
# Harmonies

## Analogous

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



81.0980, 0.3235, 0.3376



81.0980, 0.3197, 0.3394



81.0980, 0.3141, 0.3384

# Triad

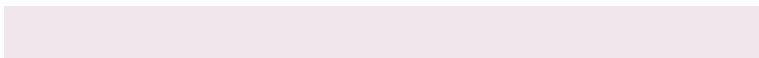
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0980, 0.3197, 0.3394



81.0980, 0.3012, 0.3243



81.0980, 0.3173, 0.3234

# Complementary

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



81.0980, 0.3197, 0.3394



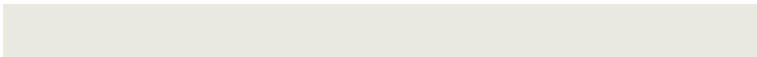
74.9514, 0.3056, 0.3184

# Split Complementary

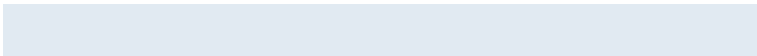
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0980, 0.3113, 0.3199



81.0980, 0.3197, 0.3394



81.0980, 0.3020, 0.3204

# Square

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



81.0980, 0.3197, 0.3394



81.0980, 0.3034, 0.3296



81.0980, 0.3057, 0.3188



81.0980, 0.3221, 0.3283



# Rectangle

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



81.0980, 0.3197, 0.3394



81.0980, 0.3100, 0.3362



81.0980, 0.3057, 0.3188



81.0980, 0.3154, 0.3220

# Sweetspot

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



81.1015, 0.3197, 0.3394



99.6903, 0.3142, 0.3312



75.6691, 0.3198, 0.3279



21.3411, 0.3141, 0.3311



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.



81.1015, 0.3197, 0.3394



98.1767, 0.3217, 0.3424



80.9295, 0.3166, 0.3405



17.5290, 0.3226, 0.3438



36.6430, 0.4360, 0.4920



2.9454, 0.4334, 0.4940



# Inverse Universe

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



74.9514, 0.3056, 0.3184



88.6502, 0.3035, 0.3152



75.1276, 0.3087, 0.3174



15.6633, 0.3026, 0.3138



3.7184, 0.1517, 0.0661

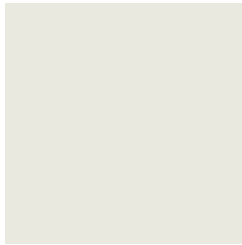


0.3669, 0.1558, 0.0808



# Previews

## White Background



This preview shows how the Yxy color 81.0980, 0.3197, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

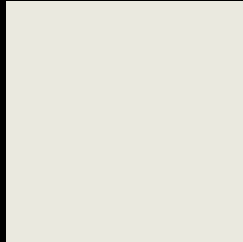
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0980, 0.3197, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

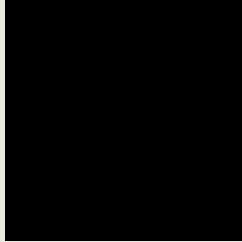
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

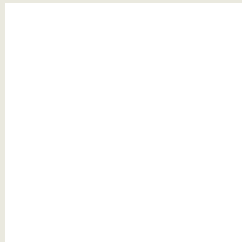
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.0980, 0.3197, 0.3394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0980, 0.3197, 0.3394.

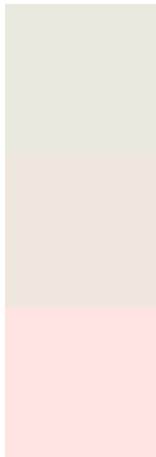


This preview shows how white text looks on a background with the Yxy color 81.0980, 0.3197, 0.3394.

# 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

81.0980, 0.3197, 0.3394

### Protanopia

80.7765, 0.3240, 0.3383

### Deuteranopia

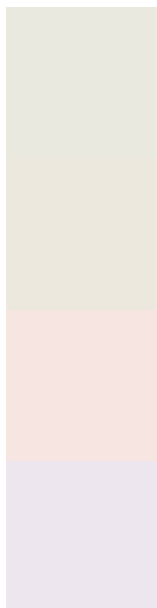
81.1437, 0.3332, 0.3291



## Tritanopia

80.9312, 0.3075, 0.3108

# Trichromacy



## Original Color

81.0980, 0.3197, 0.3394

## Protanomaly

80.9917, 0.3225, 0.3394

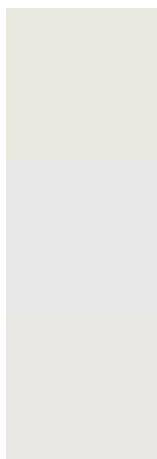
## Deuteranomaly

81.2490, 0.3278, 0.3331

## Tritanomaly

80.7712, 0.3124, 0.3208

# Monochromacy



## Original Color

81.0980, 0.3197, 0.3394

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

80.6940, 0.3153, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0980, 0.3197, 0.3394 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, 233, 223)` looks like.

```
.text, #text, p{  
    color:rgb(234, 233, 223)  
}
```

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, 233, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 233, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0980, 0.3197, 0.3394 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, 233, 223) }
```

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

```
.border{ border-color:rgb(234, 233, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 233, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 233, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 233, 223);  
box-shadow:4px 4px 4px 4px rgb(234, 233,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0980, 0.3197, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 233, 223) }
```

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

```
.background{ background-color: rgb(234,  
233, 223) }
```

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