

Converting Colors

Yxy(80.9559, 0.3124, 0.3231)

Have a look what the booklet for
Yxy(80.9559, 0.3124, 0.3231)
contains.

Yxy(81.0991, 0.3123, 0.3229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.0991, 0.3123, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	ECE7ED
RGB	236, 231, 237
RGB Percent	93%, 91%, 93%
CMY	0.0747, 0.0940, 0.0707
CMYK	0.00, 0.03, 0.00, 0.07
HSL	290°, 14%, 92%
HSV	290°, 3%, 93%
XYZ	78.4368, 81.0991, 91.6226
YIQ	233.1790, 1.0540, 2.9260

Conversions

Conversions Part 2

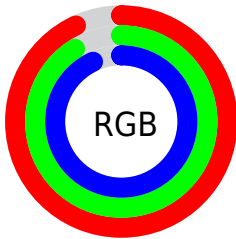
Format	Color
R _Y B	236, 231, 237
Decimal	15525869
CIE Lab	92.18, 2.72, -2.31
CIE LCh	92, 3.564, 319.632
Yxy	81.0991, 0.3123, 0.3229
Android (android.graphics.Color)	4293715949 (0xFFECE7ED)
YUV	233.1790, 1.8838, 2.4740
Hunter-Lab	90.0550, -2.1250, 2.7165

Details

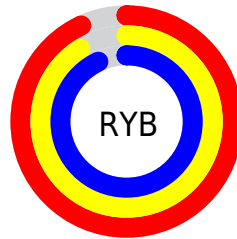
The Yxy color **81.0991, 0.3123, 0.3229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4930, 0.3131, 0.3351**, and the grayscale version is **81.6080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6994, 0.3122, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **68.0236, 0.3104, 0.2978**, and if you desaturate by 10%, it is **95.9939, 0.3138, 0.3466**.

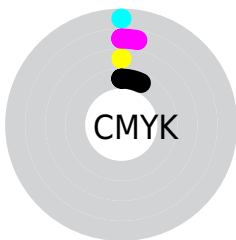
Distribution



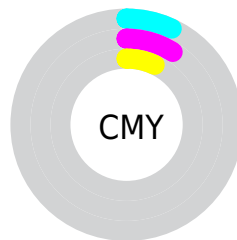
- Red (93%)
- Green (91%)
- Blue (93%)



- Red (93%)
- Yellow (91%)
- Blue (93%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0991, 0.3123, 0.3229 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 81.0991, 0.3123, 0.3229 by changing the saturation by 10% instead.


 81.0991, 0.3123,
0.3229

 81.0991, 0.3123,
0.3229

498.6292, 0.3125,
0.3257

 60.6232, 0.3123,
0.3223

134.9099, 0.3124,
0.3238

 43.9212, 0.3122,
0.3215


169.0136, 0.3124,
0.3242

 30.6085, 0.3121,
0.3206


208.4287, 0.3124,
0.3245

 20.3009, 0.3120,
0.3194

253.5397, 0.3124,
0.3248

 12.6140, 0.3119,
0.3177

304.7308, 0.3125,
0.3251

 7.1633, 0.3117,
0.3154

362.3865, 0.3125,

 3.5644, 0.3114,

0.3253

0.3119

426.8911, 0.3125,
0.3255

■ 1.4330, 0.3109,
0.3061

■ 0.2409, 0.3076,
0.2510

■ 81.0991, 0.3123,
0.3229

■ 81.0991, 0.3123,
0.3229

■ 68.0236, 0.3104,
0.2978

■ 95.9939, 0.3138,
0.3466

■ 56.6850, 0.3080,
0.2718

■ 96.9002, 0.3164,
0.3467

■ 47.0104, 0.3051,
0.2454

■ 97.6469, 0.3190,
0.3466

■ 38.9175, 0.3018,
0.2196

■ 98.4102, 0.3216,
0.3465

■ 32.3167, 0.2979,
0.1955

■ 98.8932, 0.3232,
0.3464

■ 27.1099, 0.2937,
0.1740

■ 23.1867, 0.2892,
0.1562

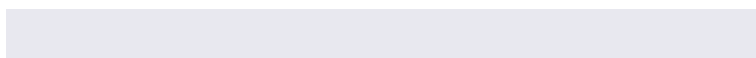
■ 20.4201, 0.2846,
0.1428

■ 18.6567, 0.2800,
0.1339

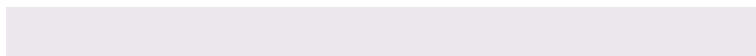
Harmonies

Analogous

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



81.0991, 0.3083, 0.3219



81.0991, 0.3123, 0.3229



81.0991, 0.3164, 0.3255

Triad

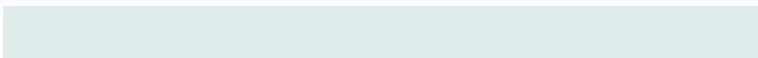
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0991, 0.3123, 0.3229



81.0991, 0.3199, 0.3352



81.0991, 0.3059, 0.3289

Complementary

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



81.0991, 0.3123, 0.3229



83.4930, 0.3131, 0.3351

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.



81.0991, 0.3090, 0.3326



81.0991, 0.3123, 0.3229



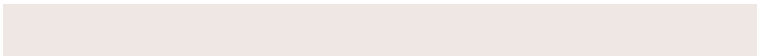
81.0991, 0.3171, 0.3362

Square

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



81.0991, 0.3123, 0.3229



81.0991, 0.3208, 0.3326



81.0991, 0.3131, 0.3352



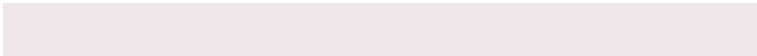
81.0991, 0.3047, 0.3254

Rectangle

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



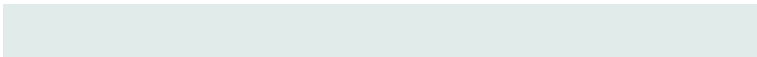
81.0991, 0.3123, 0.3229



81.0991, 0.3187, 0.3278



81.0991, 0.3131, 0.3352



81.0991, 0.3068, 0.3302

Sweetspot

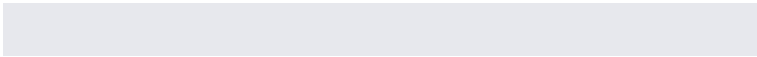
The Sweet Spot groups the original color and five complimentary colors.



81.1026, 0.3123, 0.3229



98.2997, 0.3126, 0.3266



80.8857, 0.3089, 0.3240



21.0581, 0.3126, 0.3267



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.



81.1026, 0.3123, 0.3229



94.9642, 0.3122, 0.3217



81.1707, 0.3142, 0.3248



16.7606, 0.3121, 0.3198



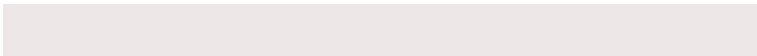
9.7794, 0.2773, 0.1301



0.8028, 0.2837, 0.1336

Inverse Universe

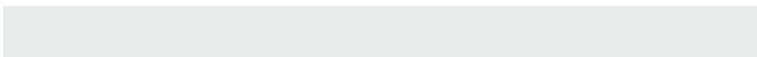
The Inverse Universe completely reimagines the original color for something new.



80.9969, 0.3161, 0.3279



94.8155, 0.3168, 0.3277



83.4272, 0.3113, 0.3332



16.7275, 0.3179, 0.3274



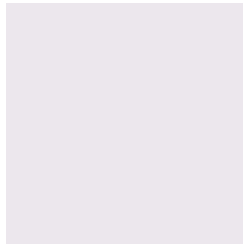
9.9314, 0.6137, 0.3155



0.7923, 0.5778, 0.2957

Previews

White Background



This preview shows how the Yxy color 81.0991, 0.3123, 0.3229 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 81.0991, 0.3123, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

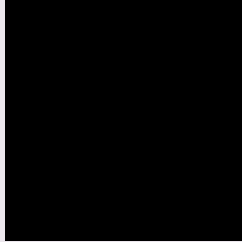
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

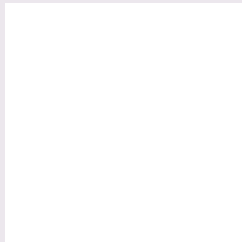
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0991, 0.3123, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 81.0991, 0.3123, 0.3229.

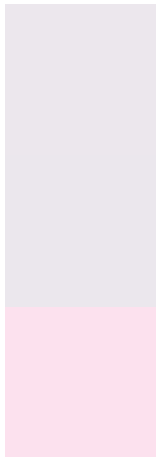


This preview shows how white text looks on a background with the Yxy color 81.0991, 0.3123, 0.3229.

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

81.0991, 0.3123, 0.3229

Protanopia

80.9284, 0.3116, 0.3228

Deuteranopia

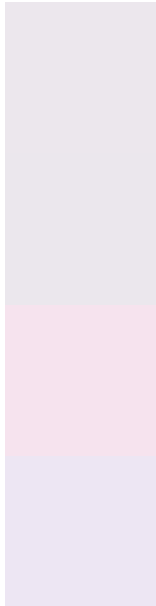
80.7189, 0.3231, 0.3161



Tritanopia

80.9312, 0.3075, 0.3108

Trichromacy



Original Color

81.0991, 0.3123, 0.3229

Protanomaly

80.9284, 0.3116, 0.3228

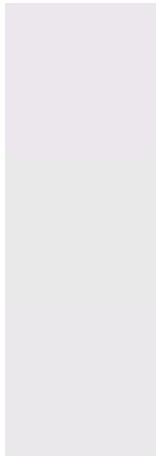
Deuteranomaly

80.7040, 0.3188, 0.3180

Tritanomaly

81.0692, 0.3093, 0.3158

Monochromacy



Original Color

81.0991, 0.3123, 0.3229

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.1462, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0991, 0.3123, 0.3229 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(236, 231, 237)` looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 237)  
}
```

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(236, 231, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 237) }
```

Border

The CSS property to change the border of an element to Yxy 81.0991, 0.3123, 0.3229 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(236, 231, 237) }
```

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

```
.border{ border-color:rgb(236, 231, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 231, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 237);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0991, 0.3123, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 231, 237) }
```

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

```
.background{ background-color: rgb(236,  
231, 237) }
```

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