

Converting Colors

$Y_{xy}(80.8303, 0.3157, 0.3272)$

Have a look what the booklet for
Yxy(80.8303, 0.3157, 0.3272)
contains.

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Color

Yxy(81.0395, 0.3155, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	EDE7E9
RGB	237, 231, 233
RGB Percent	93%, 91%, 91%
CMY	0.0709, 0.0940, 0.0863
CMYK	0.00, 0.02, 0.02, 0.07
HSL	340°, 14%, 92%
HSV	340°, 2%, 93%
XYZ	78.1895, 81.0395, 88.5982
YIQ	233.0220, 2.9340, 1.8940

Conversions

Conversions Part 2

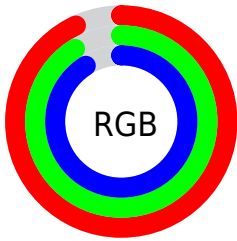
Format	Color
R _Y B	237, 231, 233
Decimal	15591401
CIE Lab	92.15, 2.34, -0.25
CIE LCh	92, 2.350, 353.814
Yxy	81.0395, 0.3155, 0.3270
Android (android.graphics.Color)	4293781481 (0xFFE7E9)
YUV	233.0220, -0.0108, 3.4887
Hunter-Lab	90.0219, -2.5004, 4.6630

Details

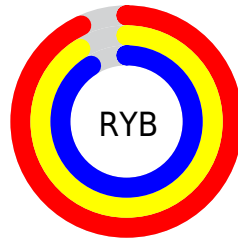
The Yxy color **81.0395, 0.3155, 0.3270** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.5193, 0.3100, 0.3310**, and the grayscale version is **81.4963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6580, 0.3164, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **67.7980, 0.3282, 0.3186**, and if you desaturate by 10%, it is **96.1646, 0.3051, 0.3348**.

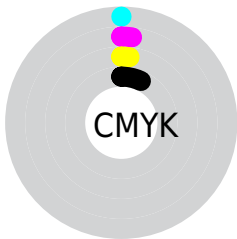
Distribution



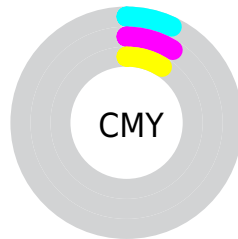
- Red (93%)
- Green (91%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0395, 0.3155, 0.3270 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 81.0395, 0.3155, 0.3270 by changing the saturation by 10% instead.

81.0395, 0.3155,
0.3270

81.0395, 0.3155,
0.3270

498.4291, 0.3142,
0.3279

60.5741, 0.3158,
0.3268

134.8262, 0.3151,
0.3273

43.8816, 0.3161,
0.3265

168.9164, 0.3149,
0.3274

30.5774, 0.3166,
0.3262

208.3169, 0.3148,
0.3275

20.2773, 0.3171,
0.3258

253.4122, 0.3146,
0.3276

12.5968, 0.3179,
0.3253

304.5867, 0.3145,
0.3277

7.1515, 0.3190,
0.3245

362.2248, 0.3144,

3.5570, 0.3206,

0.3278

0.3233

426.7108, 0.3143,
0.3279

■ 1.4290, 0.3234,
0.3213

■ 0.2379, 0.3549,
0.2982

■ 81.0395, 0.3155,
0.3270

■ 81.0395, 0.3155,
0.3270

■ 67.7980, 0.3282,
0.3186

■ 96.1646, 0.3051,
0.3348

■ 56.3560, 0.3438,
0.3098

■ 96.7327, 0.3017,
0.3290

■ 46.6382, 0.3628,
0.3007

■ 38.5601, 0.3858,
0.2919

■ 32.0303, 0.4129,
0.2840

■ 26.9478, 0.4441,
0.2780

■ 23.1999, 0.4783,
0.2752

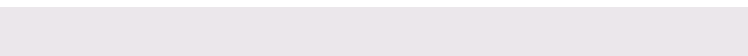
■ 20.6570, 0.5135,
0.2768

■ 19.1627, 0.5467,
0.2833

Harmonies

Analogous

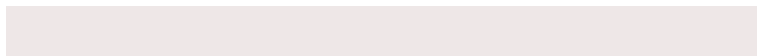
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0395, 0.3128, 0.3252



81.0395, 0.3155, 0.3270



81.0395, 0.3174, 0.3294

Triad

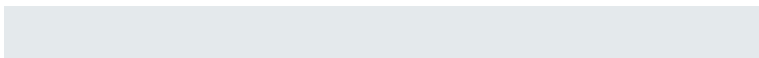
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0395, 0.3155, 0.3270



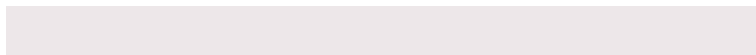
81.0395, 0.3153, 0.3337



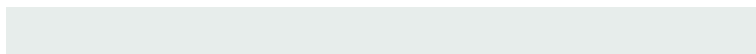
81.0395, 0.3074, 0.3263

Complementary

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



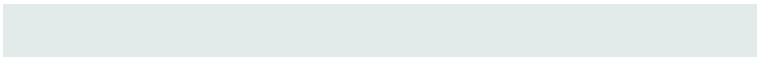
81.0395, 0.3155, 0.3270



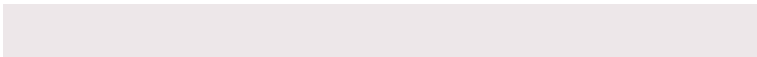
83.5193, 0.3100, 0.3310

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.



81.0395, 0.3081, 0.3286



81.0395, 0.3155, 0.3270



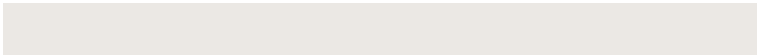
81.0395, 0.3126, 0.3329

Square

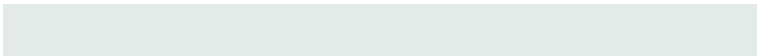
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



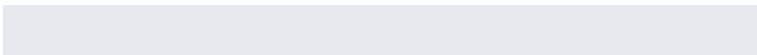
81.0395, 0.3155, 0.3270



81.0395, 0.3173, 0.3333



81.0395, 0.3100, 0.3311



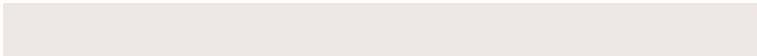
81.0395, 0.3082, 0.3248

Rectangle

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



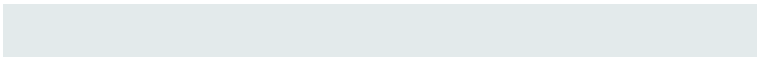
81.0395, 0.3155, 0.3270



81.0395, 0.3180, 0.3310



81.0395, 0.3100, 0.3311



81.0395, 0.3075, 0.3270

Sweetspot

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



81.0430, 0.3155, 0.3270



98.2744, 0.3138, 0.3282



80.9345, 0.3117, 0.3229



21.0530, 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.



81.0430, 0.3155, 0.3270



94.8906, 0.3161, 0.3266



81.4843, 0.3167, 0.3300



16.7443, 0.3170, 0.3260



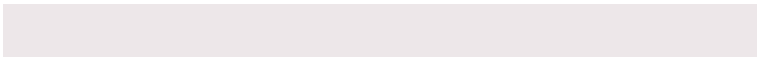
10.1555, 0.5646, 0.2884



0.8147, 0.5256, 0.2669

Inverse Universe

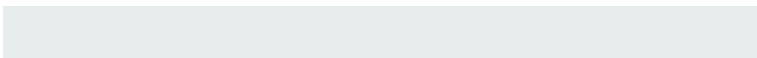
The Inverse Universe completely reimagines the original color for something new.



81.0430, 0.3155, 0.3270



94.8906, 0.3161, 0.3266



83.0650, 0.3089, 0.3280



16.7443, 0.3170, 0.3260



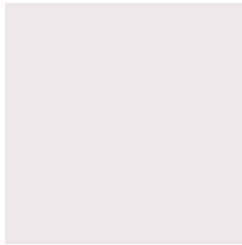
10.1555, 0.5646, 0.2884



0.8147, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 81.0395, 0.3155, 0.3270 looks on a white background.

Color Contrast Check

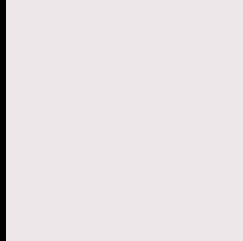
Large Text (above 18pt) WCAG AA × Fail

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 81.0395, 0.3155, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

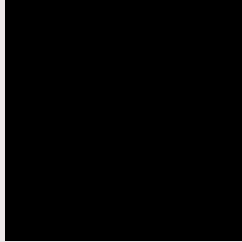
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

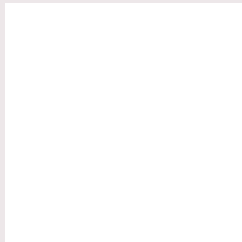
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0395, 0.3155, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 81.0395, 0.3155, 0.3270.

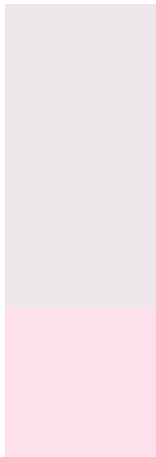


This preview shows how white text looks on a background with the Yxy color 81.0395, 0.3155, 0.3270.

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

81.0395, 0.3155, 0.3270

Protanopia

80.8679, 0.3149, 0.3270

Deuteranopia

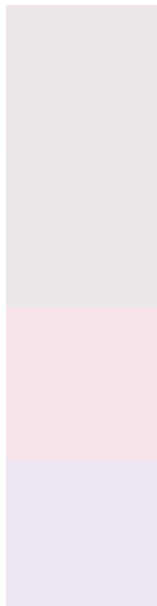
80.8618, 0.3272, 0.3201



Tritanopia

81.1047, 0.3082, 0.3108

Trichromacy



Original Color

81.0395, 0.3155, 0.3270

Protanomaly

80.8679, 0.3149, 0.3270

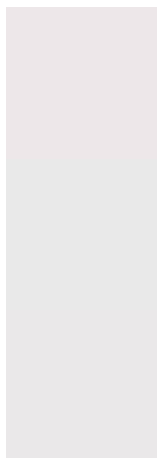
Deuteranomaly

80.8351, 0.3228, 0.3220

Tritanomaly

81.1816, 0.3106, 0.3168

Monochromacy



Original Color

81.0395, 0.3155, 0.3270

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.0888, 0.3134, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0395, 0.3155, 0.3270 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(237, 231, 233)` looks like.

```
.text, #text, p{  
    color:rgb(237, 231, 233)  
}
```

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(237, 231, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 231, 233) }
```

Border

The CSS property to change the border of an element to Yxy 81.0395, 0.3155, 0.3270 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(237, 231, 233) }
```

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

```
.border{ border-color:rgb(237, 231, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 231, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 231, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 231, 233); box-shadow:4px 4px 4px 4px rgb(237, 231, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0395, 0.3155, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 231, 233) }
```

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

```
.background{ background-color: rgb(237,  
231, 233) }
```

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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