

Converting Colors

Yxy(81.3434, 0.3105, 0.3329)

Have a look what the booklet for
Yxy(81.3434, 0.3105, 0.3329)
contains.

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Color

Yxy(81.6802, 0.3105, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	E4EBE7
RGB	228, 235, 231
RGB Percent	89%, 92%, 91%
CMY	0.1060, 0.0784, 0.0942
CMYK	0.03, 0.00, 0.02, 0.08
HSL	146°, 15%, 91%
HSV	146°, 3%, 92%
XYZ	76.1156, 81.6802, 87.3429
YIQ	232.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

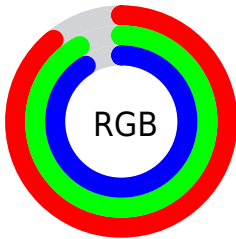
Format	Color
R _Y B	228, 233, 235
Decimal	15002599
CIE Lab	92.43, -3.07, 1.12
CIE LCh	92, 3.267, 159.899
Yxy	81.6802, 0.3105, 0.3332
Android (android.graphics.Color)	4293192679 (0xFFE4EBE7)
YUV	232.4510, -0.7153, -3.9035
Hunter-Lab	90.3771, -7.8273, 5.9645

Details

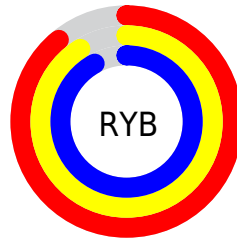
The Yxy color **81.6802, 0.3105, 0.3332** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.9565, 0.3150, 0.3248**, and the grayscale version is **81.0560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2196, 0.3107, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **77.3683, 0.3032, 0.3483**, and if you desaturate by 10%, it is **86.5798, 0.3179, 0.3198**.

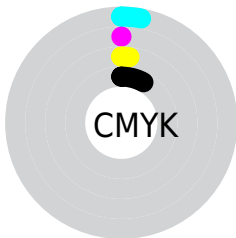
Distribution



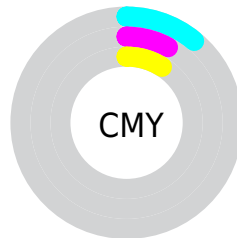
- Red (89%)
- Green (92%)
- Blue (91%)



- Red (89%)
- Yellow (91%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6802, 0.3105, 0.3332 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 81.6802, 0.3105, 0.3332 by changing the saturation by 10% instead.

■ 81.6802, 0.3105,
0.3332

■ 81.6802, 0.3105,
0.3332

500.5773, 0.3115,
0.3313

■ 61.1020, 0.3103,
0.3336

135.7254, 0.3108,
0.3325

■ 44.3075, 0.3100,
0.3342

169.9612, 0.3110,
0.3323

■ 30.9123, 0.3096,
0.3348

209.5183, 0.3111,
0.3321

■ 20.5321, 0.3092,
0.3357

254.7812, 0.3112,
0.3319

■ 12.7824, 0.3086,
0.3368

306.1341, 0.3113,
0.3317

■ 7.2789, 0.3077,
0.3384

363.9615, 0.3114,

■ 3.6371, 0.3064,

0.3316

0.3409

428.6478, 0.3114,
0.3314

■ 1.4727, 0.3041,
0.3452

■ 0.2694, 0.2723,
0.4049

■ 81.6802, 0.3105,
0.3332

■ 81.6802, 0.3105,
0.3332

■ 77.3683, 0.3032,
0.3483

■ 86.5798, 0.3179,
0.3198

■ 73.6114, 0.2961,
0.3652

■ 87.9075, 0.3136,
0.3098

■ 70.3892, 0.2895,
0.3839

■ 67.6764, 0.2836,
0.4041

■ 65.4453, 0.2789,
0.4257

■ 63.6658, 0.2757,
0.4481

■ 62.3039, 0.2743,
0.4707

■ 61.3207, 0.2747,
0.4927

■ 60.6693, 0.2771,
0.5133

Harmonies

Analogous

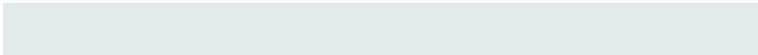
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6802, 0.3143, 0.3352



81.6802, 0.3105, 0.3332



81.6802, 0.3073, 0.3301

Triad

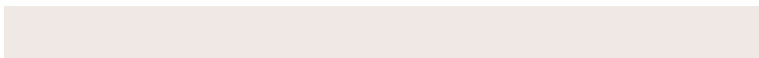
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6802, 0.3105, 0.3332



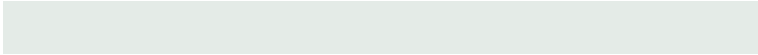
81.6802, 0.3077, 0.3226



81.6802, 0.3200, 0.3313

Complementary

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



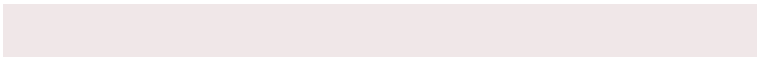
81.6802, 0.3105, 0.3332



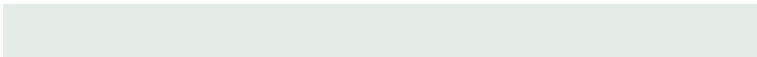
78.9565, 0.3150, 0.3248

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.



81.6802, 0.3182, 0.3279



81.6802, 0.3105, 0.3332



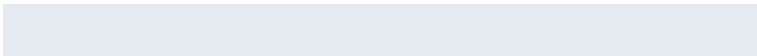
81.6802, 0.3111, 0.3229

Square

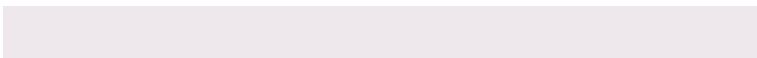
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



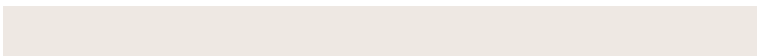
81.6802, 0.3105, 0.3332



81.6802, 0.3057, 0.3239



81.6802, 0.3149, 0.3249



81.6802, 0.3198, 0.3341

Rectangle

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



81.6802, 0.3105, 0.3332



81.6802, 0.3059, 0.3278



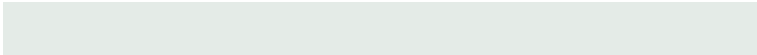
81.6802, 0.3149, 0.3249



81.6802, 0.3196, 0.3302

Sweetspot

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



81.6837, 0.3105, 0.3332



99.4260, 0.3120, 0.3304



82.1956, 0.3151, 0.3363



21.2873, 0.3120, 0.3303



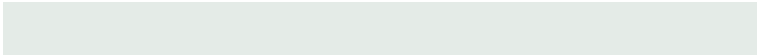
0.0000, 0.0000, 0.0000



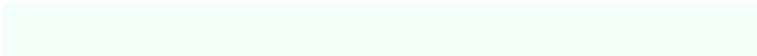
21.4041, 0.3127, 0.3290

Same Dimension

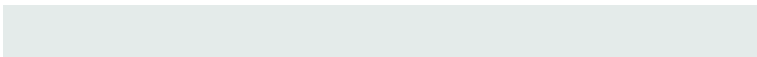
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6837, 0.3105, 0.3332



97.7467, 0.3098, 0.3347



81.8803, 0.3084, 0.3296



17.4141, 0.3092, 0.3357



33.6120, 0.2788, 0.5237



2.6583, 0.2712, 0.4964

Inverse Universe

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



78.9565, 0.3150, 0.3248



93.3856, 0.3158, 0.3234



78.7626, 0.3172, 0.3284



16.4997, 0.3164, 0.3224



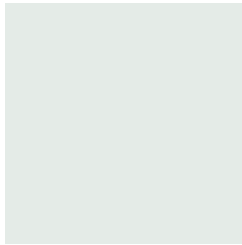
10.8188, 0.4655, 0.2338



0.8687, 0.4400, 0.2197

Previews

White Background



This preview shows how the Yxy color 81.6802, 0.3105, 0.3332 looks on a white background.

Color Contrast Check

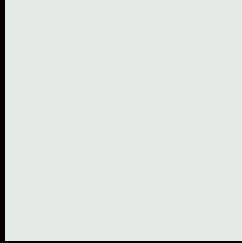
Large Text (above 18pt) WCAG AA × Fail

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 81.6802, 0.3105, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

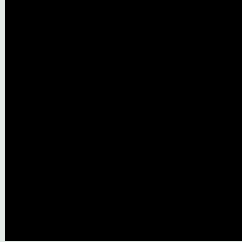
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

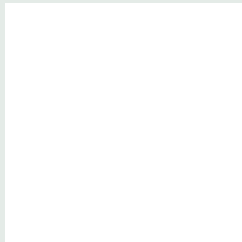
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6802, 0.3105, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 81.6802, 0.3105, 0.3332.

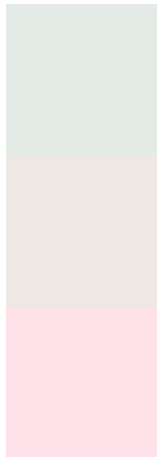


This preview shows how white text looks on a background with the Yxy color 81.6802, 0.3105, 0.3332.

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

81.6802, 0.3105, 0.3332

Protanopia

81.5475, 0.3187, 0.3321

Deuteranopia

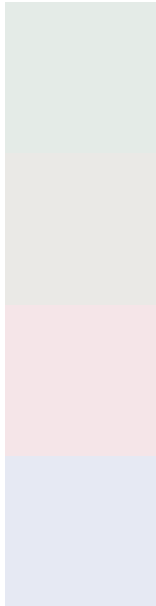
81.5359, 0.3285, 0.3221



Tritanopia

81.6043, 0.3010, 0.3106

Trichromacy



Original Color

81.6802, 0.3105, 0.3332

Protanomaly

81.4834, 0.3153, 0.3321

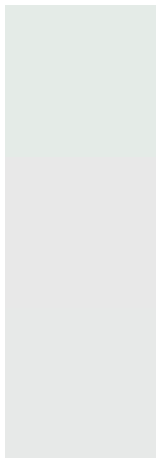
Deuteranomaly

81.2773, 0.3218, 0.3260

Tritanomaly

81.5719, 0.3045, 0.3187

Monochromacy



Original Color

81.6802, 0.3105, 0.3332

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.0929, 0.3120, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6802, 0.3105, 0.3332 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(228, 235, 231)` looks like.

```
.text, #text, p{  
    color:rgb(228, 235, 231)  
}
```

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(228, 235, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 235, 231) }
```

Border

The CSS property to change the border of an element to Yxy 81.6802, 0.3105, 0.3332 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(228, 235, 231) }
```

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

```
.border{ border-color:rgb(228, 235, 231) }
```

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

Here you see how a box with a 4 pixel rgb(228, 235, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 235, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 235, 231);  
box-shadow:4px 4px 4px 4px rgb(228, 235,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6802, 0.3105, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 235, 231) }
```

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

```
.background{ background-color: rgb(228,  
235, 231) }
```

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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