

Converting Colors

$Yxy(80.9840, 0.3062, 0.3345)$

Have a look what the booklet for
Yxy(80.9840, 0.3062, 0.3345)
contains.

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Color

Yxy(81.1326, 0.3059, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	DDECE7
RGB	221, 236, 231
RGB Percent	87%, 93%, 91%
CMY	0.1332, 0.0745, 0.0943
CMYK	0.06, 0.00, 0.02, 0.07
HSL	160°, 28%, 90%
HSV	160°, 6%, 93%
XYZ	74.2401, 81.1326, 87.3213
YIQ	230.9450, -7.3350, -4.7350

Conversions

Conversions Part 2

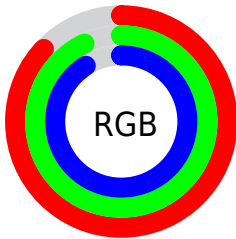
Format	Color
R _Y B	221, 230, 236
Decimal	14544103
CIE Lab	92.19, -5.87, 0.72
CIE LCh	92, 5.911, 173.008
Yxy	81.1326, 0.3059, 0.3343
Android (android.graphics.Color)	4292734183 (0xFFDDECE7)
YUV	230.9450, 0.0271, -8.7218
Hunter-Lab	90.0736, -10.5064, 5.5732

Details

The Yxy color **81.1326, 0.3059, 0.3343** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.0560, 0.3200, 0.3238**, and the grayscale version is **79.8757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8447, 0.3047, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **77.2492, 0.2954, 0.3434**, and if you desaturate by 10%, it is **85.5640, 0.3167, 0.3261**.

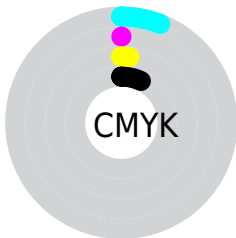
Distribution



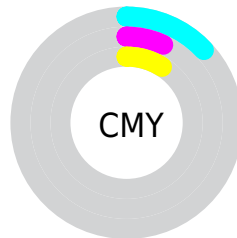
- Red (87%)
- Green (93%)
- Blue (91%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1326, 0.3059, 0.3343 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 81.1326, 0.3059, 0.3343 by changing the saturation by 10% instead.

81.1326, 0.3059,
0.3343

81.1326, 0.3059,
0.3343

498.7416, 0.3090,
0.3319

60.6508, 0.3052,
0.3348

134.9569, 0.3070,
0.3335

43.9434, 0.3043,
0.3355

169.0683, 0.3074,
0.3331

30.6260, 0.3033,
0.3363

208.4916, 0.3077,
0.3329

20.3143, 0.3019,
0.3374

253.6113, 0.3081,
0.3326

12.6237, 0.3000,
0.3389

304.8117, 0.3083,
0.3324

7.1699, 0.2974,
0.3410

362.4773, 0.3086,

3.5686, 0.2933,

0.3322

426.9925, 0.3088,
0.3320

0.3441

■ 1.4353, 0.2864,
0.3496

■ 0.2425, 0.1606,
0.4462

■ 81.1326, 0.3059,
0.3343

■ 81.1326, 0.3059,
0.3343

■ 77.2492, 0.2954,
0.3434

■ 85.5640, 0.3167,
0.3261

■ 73.8816, 0.2856,
0.3534

■ 87.9575, 0.3186,
0.3185

■ 71.0097, 0.2765,
0.3643

■ 88.4578, 0.3137,
0.3109

■ 68.6086, 0.2687,
0.3760

■ 88.4718, 0.3136,
0.3107

■ 66.6505, 0.2624,
0.3884

■ 65.1051, 0.2578,
0.4012

■ 63.9381, 0.2552,
0.4142

■ 63.1093, 0.2547,
0.4273

■ 62.5685, 0.2561,
0.4401

Harmonies

Analogous

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



81.1326, 0.3125, 0.3390



81.1326, 0.3059, 0.3343



81.1326, 0.3011, 0.3282

Triad

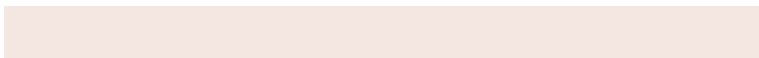
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1326, 0.3059, 0.3343



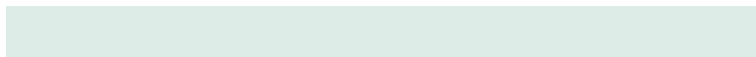
81.1326, 0.3061, 0.3173



81.1326, 0.3262, 0.3355

Complementary

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



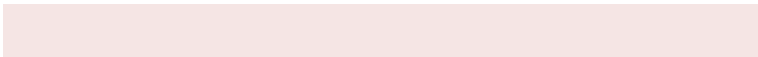
81.1326, 0.3059, 0.3343



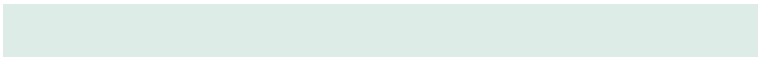
75.0560, 0.3200, 0.3238

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.



81.1326, 0.3245, 0.3297



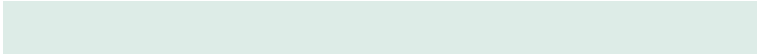
81.1326, 0.3059, 0.3343



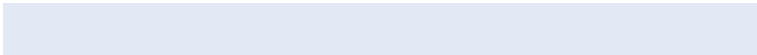
81.1326, 0.3128, 0.3193

Square

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



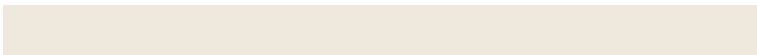
81.1326, 0.3059, 0.3343



81.1326, 0.3012, 0.3184



81.1326, 0.3195, 0.3238



81.1326, 0.3243, 0.3397

Rectangle

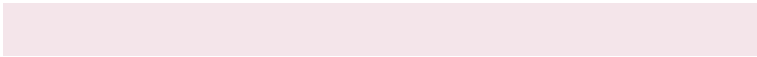
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



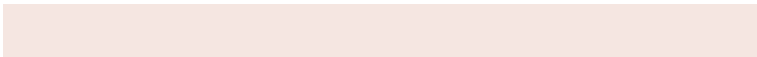
81.1326, 0.3059, 0.3343



81.1326, 0.2996, 0.3241



81.1326, 0.3195, 0.3238



81.1326, 0.3261, 0.3337

Sweetspot

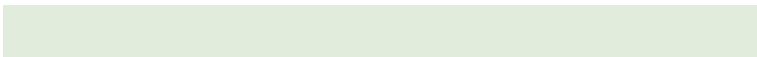
The Sweet Spot groups the original color and five complimentary colors.



81.1360, 0.3059, 0.3343



98.9355, 0.3105, 0.3306



81.4262, 0.3155, 0.3448



21.1874, 0.3107, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

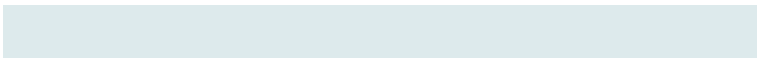
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1360, 0.3059, 0.3343



95.9000, 0.3041, 0.3358



80.1396, 0.3029, 0.3266



17.0307, 0.3026, 0.3370



34.4277, 0.2563, 0.4427



2.7212, 0.2514, 0.4250

Inverse Universe

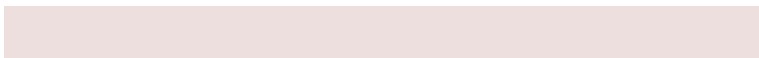
The Inverse Universe completely reimagines the original color for something new.



75.0560, 0.3200, 0.3238



86.8264, 0.3222, 0.3223



75.9776, 0.3232, 0.3314



15.1377, 0.3240, 0.3211



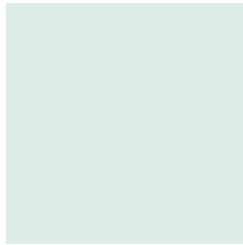
10.1657, 0.5626, 0.2873



0.8156, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 81.1326, 0.3059, 0.3343 looks on a white background.

Color Contrast Check

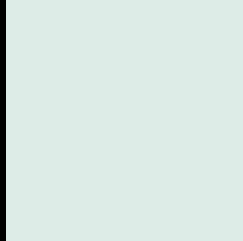
Large Text (above 18pt) WCAG AA × Fail

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 81.1326, 0.3059, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

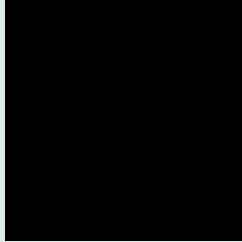
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

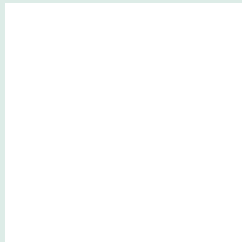
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1326, 0.3059, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 81.1326, 0.3059, 0.3343.

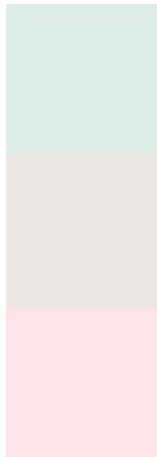


This preview shows how white text looks on a background with the Yxy color 81.1326, 0.3059, 0.3343.

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

81.1326, 0.3059, 0.3343

Protanopia

80.7578, 0.3187, 0.3321

Deuteranopia

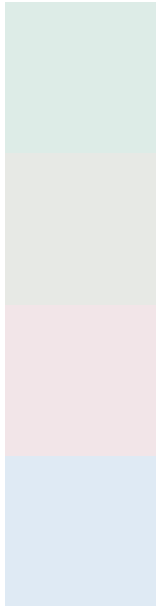
80.8045, 0.3279, 0.3211



Tritanopia

81.0902, 0.2959, 0.3104

Trichromacy



Original Color

81.1326, 0.3059, 0.3343

Protanomaly

80.9239, 0.3139, 0.3332

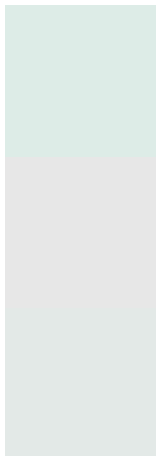
Deuteranomaly

80.7421, 0.3198, 0.3260

Tritanomaly

81.0653, 0.2994, 0.3186

Monochromacy



Original Color

81.1326, 0.3059, 0.3343

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.3782, 0.3099, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1326, 0.3059, 0.3343 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(221, 236, 231)` looks like.

```
.text, #text, p{  
    color:rgb(221, 236, 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(221, 236, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 236, 231) }
```

Border

The CSS property to change the border of an element to Yxy 81.1326, 0.3059, 0.3343 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(221, 236, 231) }
```

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

```
.border{ border-color:rgb(221, 236, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 236, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 236, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 236, 231);  
box-shadow:4px 4px 4px 4px rgb(221, 236,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1326, 0.3059, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 236, 231) }
```

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

```
.background{ background-color: rgb(221,  
236, 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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