

Converting Colors

$Yxy(80.2290, 0.3066, 0.3324)$

Have a look what the booklet for
Yxy(80.2290, 0.3066, 0.3324)
contains.

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Color

Yxy(80.1448, 0.3066, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	DEEAE7
RGB	222, 234, 231
RGB Percent	87%, 92%, 91%
CMY	0.1294, 0.0823, 0.0943
CMYK	0.05, 0.00, 0.01, 0.08
HSL	165°, 22%, 89%
HSV	165°, 5%, 92%
XYZ	73.9687, 80.1448, 87.1412
YIQ	230.0700, -6.1890, -3.4770

Conversions

Conversions Part 2

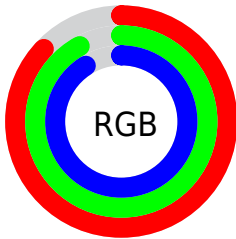
Format	Color
R _Y B	222, 229, 234
Decimal	14609127
CIE Lab	91.75, -4.53, 0.09
CIE LCh	92, 4.529, 178.896
Yxy	80.1448, 0.3066, 0.3322
Android (android.graphics.Color)	4292799207 (0xFFDEEAE7)
YUV	230.0700, 0.4585, -7.0774
Hunter-Lab	89.5236, -9.1812, 4.9544

Details

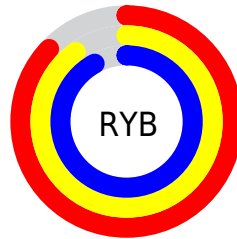
The Yxy color **80.1448, 0.3066, 0.3322** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.1825, 0.3192, 0.3258**, and the grayscale version is **79.1868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1514, 0.3056, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **76.3755, 0.2950, 0.3390**, and if you desaturate by 10%, it is **84.4451, 0.3186, 0.3261**.

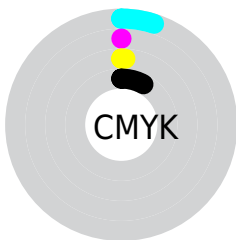
Distribution



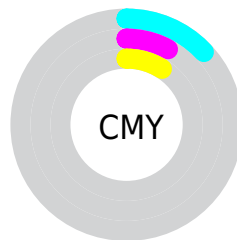
- Red (87%)
- Green (92%)
- Blue (91%)



- Red (87%)
- Yellow (90%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1448, 0.3066, 0.3322 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 80.1448, 0.3066, 0.3322 by changing the saturation by 10% instead.

80.1448, 0.3066,
0.3322

80.1448, 0.3066,
0.3322

495.4207, 0.3094,
0.3308

59.8375, 0.3060,
0.3325

133.5693, 0.3076,
0.3317

43.2877, 0.3052,
0.3329

167.4553, 0.3079,
0.3315

30.1109, 0.3042,
0.3334

206.6363, 0.3083,
0.3313

19.9228, 0.3030,
0.3341

251.4968, 0.3085,
0.3312

12.3389, 0.3013,
0.3350

302.4210, 0.3088,
0.3311

6.9749, 0.2989,
0.3362

359.7935, 0.3090,

3.4464, 0.2953,

0.3309

0.3381

423.9986, 0.3092,
0.3308

■ 1.3690, 0.2890,
0.3414

■ 0.1937, 0.1558,
0.4103

■ 80.1448, 0.3066,
0.3322

■ 80.1448, 0.3066,
0.3322

■ 76.3755, 0.2950,
0.3390

■ 84.4451, 0.3186,
0.3261

■ 73.1060, 0.2840,
0.3464

■ 86.5713, 0.3213,
0.3204

■ 70.3170, 0.2740,
0.3544

■ 86.9360, 0.3175,
0.3147

■ 67.9843, 0.2652,
0.3630

■ 87.3124, 0.3138,
0.3090

■ 66.0814, 0.2579,
0.3720

■ 87.3293, 0.3137,
0.3088

■ 64.5791, 0.2525,
0.3813

■ 63.4444, 0.2489,
0.3909

■ 62.6390, 0.2474,
0.4005

■ 62.1159, 0.2478,
0.4100

Harmonies

Analogous

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



80.1448, 0.3115, 0.3361



80.1448, 0.3066, 0.3322



80.1448, 0.3033, 0.3274

Triad

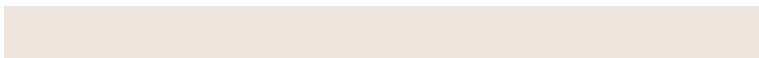
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1448, 0.3066, 0.3322



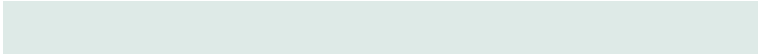
80.1448, 0.3086, 0.3201



80.1448, 0.3230, 0.3348

Complementary

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



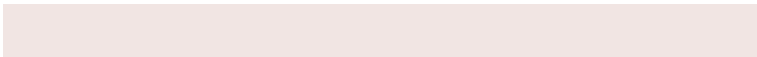
80.1448, 0.3066, 0.3322



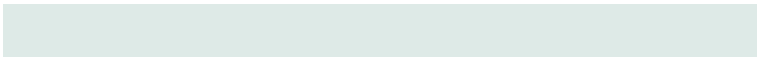
75.1825, 0.3192, 0.3258

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.



80.1448, 0.3222, 0.3305



80.1448, 0.3066, 0.3322



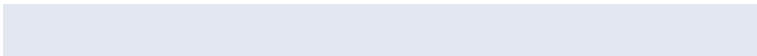
80.1448, 0.3138, 0.3221

Square

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



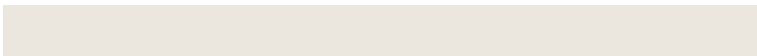
80.1448, 0.3066, 0.3322



80.1448, 0.3044, 0.3205



80.1448, 0.3189, 0.3258



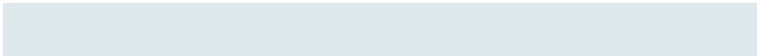
80.1448, 0.3211, 0.3376

Rectangle

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



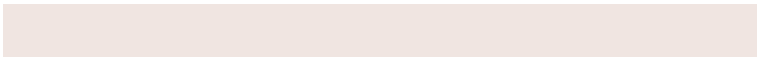
80.1448, 0.3066, 0.3322



80.1448, 0.3025, 0.3244



80.1448, 0.3189, 0.3258



80.1448, 0.3231, 0.3335

Sweetspot

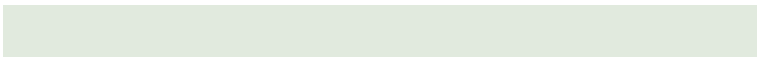
The Sweet Spot groups the original color and five complimentary colors.



80.1482, 0.3066, 0.3322



98.9624, 0.3103, 0.3302



80.1655, 0.3143, 0.3417



21.1929, 0.3104, 0.3302



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.



80.1482, 0.3066, 0.3322



96.9650, 0.3055, 0.3328



78.7409, 0.3048, 0.3260



17.2922, 0.3048, 0.3332



34.8190, 0.2481, 0.4131



2.7495, 0.2444, 0.3999

Inverse Universe

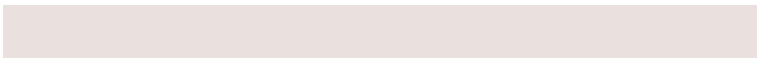
The Inverse Universe completely reimagines the original color for something new.



75.1825, 0.3192, 0.3258



89.9103, 0.3204, 0.3253



76.5167, 0.3210, 0.3320



15.9106, 0.3213, 0.3249



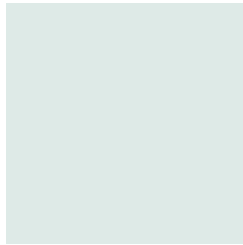
10.0270, 0.5914, 0.3031



0.8025, 0.5523, 0.2816

Previews

White Background



This preview shows how the Yxy color 80.1448, 0.3066, 0.3322 looks on a white background.

Color Contrast Check

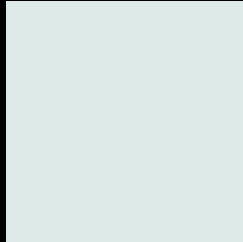
Large Text (above 18pt) WCAG AA × Fail

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 80.1448, 0.3066, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

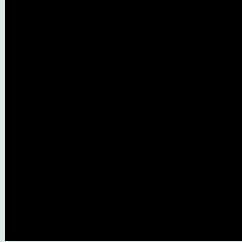
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

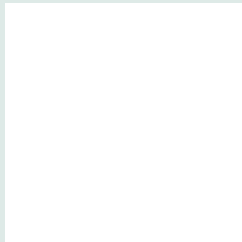
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1448, 0.3066, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 80.1448, 0.3066, 0.3322.

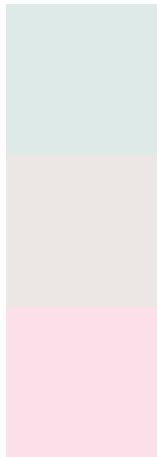


This preview shows how white text looks on a background with the Yxy color 80.1448, 0.3066, 0.3322.

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

80.1448, 0.3066, 0.3322

Protanopia

80.0836, 0.3175, 0.3300

Deuteranopia

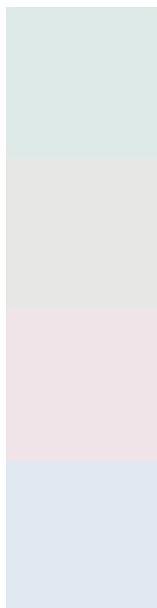
79.8899, 0.3265, 0.3201



Tritanopia

79.9989, 0.2977, 0.3104

Trichromacy



Original Color

80.1448, 0.3066, 0.3322

Protanomaly

79.8539, 0.3133, 0.3300

Deuteranomaly

80.0138, 0.3191, 0.3249

Tritanomaly

79.9713, 0.3012, 0.3185

Monochromacy



Original Color

80.1448, 0.3066, 0.3322

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.1959, 0.3106, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1448, 0.3066, 0.3322 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(222, 234, 231)` looks like.

```
.text, #text, p{  
    color:rgb(222, 234, 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(222, 234, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 234, 231) }
```

Border

The CSS property to change the border of an element to Yxy 80.1448, 0.3066, 0.3322 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(222, 234, 231) }
```

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

```
.border{ border-color:rgb(222, 234, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 234, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 234, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 234, 231); box-shadow:4px 4px 4px 4px rgb(222, 234, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1448, 0.3066, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 234, 231) }
```

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

```
.background{ background-color: rgb(222,  
234, 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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