

Converting Colors

$Y_{xy}(80.1650, 0.3120, 0.3371)$

Have a look what the booklet for
Yxy(80.1650, 0.3120, 0.3371)
contains.

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Color

Yxy(80.3442, 0.3116, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	E1EAE2
RGB	225, 234, 226
RGB Percent	88%, 92%, 89%
CMY	0.1177, 0.0823, 0.1135
CMYK	0.04, 0.00, 0.03, 0.08
HSL	127°, 18%, 90%
HSV	127°, 4%, 92%
XYZ	74.2005, 80.3442, 83.5827
YIQ	230.3970, -2.7960, -4.3960

Conversions

Conversions Part 2

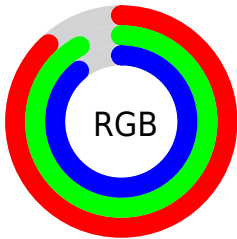
Format	Color
R _Y B	225, 233, 234
Decimal	14805730
CIE Lab	91.84, -4.43, 2.80
CIE LCh	92, 5.246, 147.688
Yxy	80.3442, 0.3116, 0.3374
Android (android.graphics.Color)	4292995810 (0xFFE1EAE2)
YUV	230.3970, -2.1677, -4.7332
Hunter-Lab	89.6349, -9.0974, 7.4577

Details

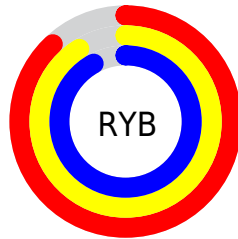
The Yxy color **80.3442, 0.3116, 0.3374** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.2098, 0.3139, 0.3207**, and the grayscale version is **79.4592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3271, 0.3114, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **75.7763, 0.3086, 0.3613**, and if you desaturate by 10%, it is **85.5704, 0.3144, 0.3165**.

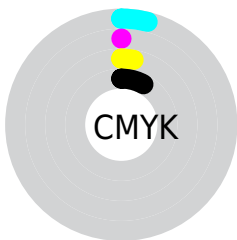
Distribution



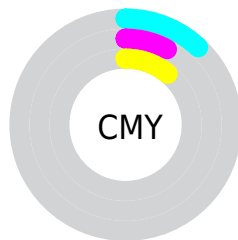
- Red (88%)
- Green (92%)
- Blue (89%)



- Red (88%)
- Yellow (91%)
- Blue (92%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (12%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3442, 0.3116, 0.3374 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 80.3442, 0.3116, 0.3374 by changing the saturation by 10% instead.

■ 80.3442, 0.3116,
0.3374

■ 80.3442, 0.3116,
0.3374

496.0921, 0.3121,
0.3336

■ 60.0016, 0.3115,
0.3383

133.8496, 0.3118,
0.3361

■ 43.4200, 0.3113,
0.3393

167.7811, 0.3119,
0.3356

■ 30.2148, 0.3111,
0.3407

207.0112, 0.3119,
0.3351

■ 20.0017, 0.3109,
0.3424

251.9241, 0.3120,
0.3347

■ 12.3962, 0.3106,
0.3448

302.9042, 0.3120,
0.3344

■ 7.0141, 0.3101,
0.3482

360.3360, 0.3121,

■ 3.4709, 0.3093,

0.3341

0.3534

424.6038, 0.3121,
0.3338

■ 1.3823, 0.3078,
0.3626

■ 0.2036, 0.2712,
0.6473

■ 80.3442, 0.3116,
0.3374

■ 80.3442, 0.3116,
0.3374

■ 75.7763, 0.3086,
0.3613

■ 85.5704, 0.3144,
0.3165

■ 71.8309, 0.3056,
0.3881

■ 87.3306, 0.3137,
0.3088

■ 68.4840, 0.3027,
0.4178

■ 65.7063, 0.3000,
0.4496

■ 63.4660, 0.2978,
0.4824

■ 61.7280, 0.2963,
0.5145

■ 60.4531, 0.2956,
0.5437

■ 59.5964, 0.2960,
0.5678

■ 59.1035, 0.2971,
0.5853

Harmonies

Analogous

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



80.3442, 0.3177, 0.3396



80.3442, 0.3116, 0.3374



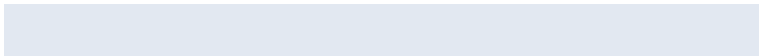
80.3442, 0.3058, 0.3329

Triad

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



80.3442, 0.3116, 0.3374



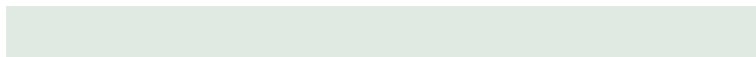
80.3442, 0.3030, 0.3192



80.3442, 0.3236, 0.3305

Complementary

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



80.3442, 0.3116, 0.3374



77.2098, 0.3139, 0.3207

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.



80.3442, 0.3196, 0.3251



80.3442, 0.3116, 0.3374



80.3442, 0.3077, 0.3187

Square

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



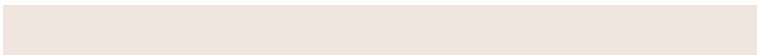
80.3442, 0.3116, 0.3374



80.3442, 0.3009, 0.3224



80.3442, 0.3138, 0.3208



80.3442, 0.3247, 0.3355

Rectangle

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



80.3442, 0.3116, 0.3374



80.3442, 0.3030, 0.3292



80.3442, 0.3138, 0.3208



80.3442, 0.3226, 0.3287

Sweetspot

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



80.3476, 0.3116, 0.3374



99.3757, 0.3124, 0.3311



81.6014, 0.3177, 0.3384



21.2771, 0.3124, 0.3310



0.0000, 0.0000, 0.0000



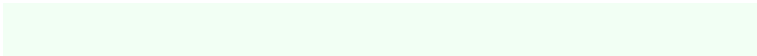
21.4041, 0.3127, 0.3290

Same Dimension

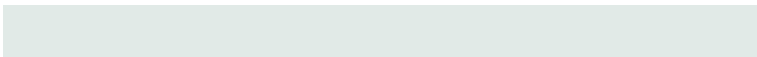
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3476, 0.3116, 0.3374



96.9590, 0.3113, 0.3400



80.5978, 0.3088, 0.3326



17.2743, 0.3111, 0.3415



33.1242, 0.2975, 0.5910



2.6106, 0.2923, 0.5725

Inverse Universe

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



77.2098, 0.3139, 0.3207



92.0359, 0.3142, 0.3182



76.9561, 0.3168, 0.3254



16.2830, 0.3144, 0.3168



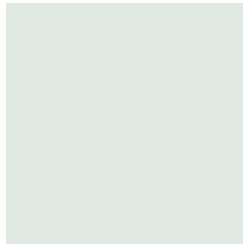
12.3508, 0.3533, 0.1720



0.9786, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 80.3442, 0.3116, 0.3374 looks on a white background.

Color Contrast Check

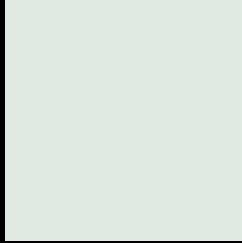
Large Text (above 18pt) WCAG AA × Fail

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 80.3442, 0.3116, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

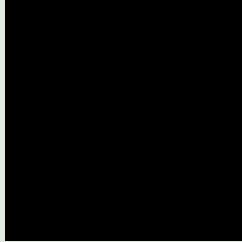
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

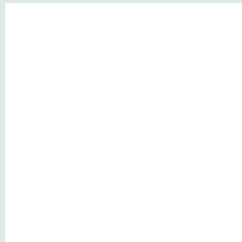
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3442, 0.3116, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 80.3442, 0.3116, 0.3374.

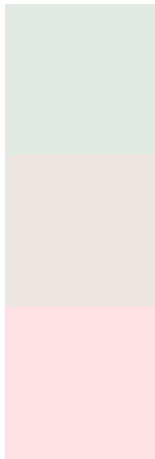


This preview shows how white text looks on a background with the Yxy color 80.3442, 0.3116, 0.3374.

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**

80.3442, 0.3116, 0.3374

Protanopia

79.9800, 0.3214, 0.3352

Deuteranopia

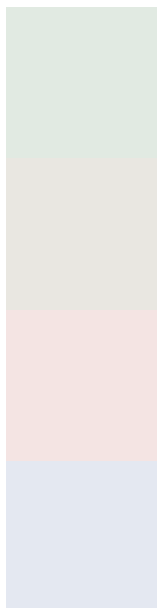
80.1727, 0.3321, 0.3251



Tritanopia

80.6494, 0.3003, 0.3105

Trichromacy



Original Color

80.3442, 0.3116, 0.3374

Protanomaly

79.9117, 0.3179, 0.3353

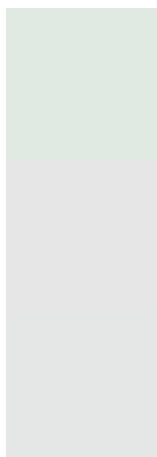
Deuteranomaly

80.2660, 0.3245, 0.3301

Tritanomaly

80.5581, 0.3045, 0.3197

Monochromacy



Original Color

80.3442, 0.3116, 0.3374

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.3030, 0.3119, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3442, 0.3116, 0.3374 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(225, 234, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 234, 226)  
}
```

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(225, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 234, 226) }
```

Border

The CSS property to change the border of an element to Yxy 80.3442, 0.3116, 0.3374 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(225, 234, 226) }
```

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

```
.border{ border-color:rgb(225, 234, 226) }
```

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

Here you see how a box with a 4 pixel rgb(225, 234, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 234,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3442, 0.3116, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 234, 226) }
```

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

```
.background{ background-color: rgb(225,  
234, 226) }
```

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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