

Converting Colors

$Yxy(80.7077, 0.3131, 0.3398)$

Have a look what the booklet for
Yxy(80.7077, 0.3131, 0.3398)
contains.

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Color

Yxy(80.9672, 0.3135, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	E2EBE0
RGB	226, 235, 224
RGB Percent	89%, 92%, 88%
CMY	0.1138, 0.0784, 0.1215
CMYK	0.04, 0.00, 0.05, 0.08
HSL	109°, 22%, 90%
HSV	109°, 5%, 92%
XYZ	74.5250, 80.9672, 82.2271
YIQ	231.0550, -1.8330, -5.3290

Conversions

Conversions Part 2

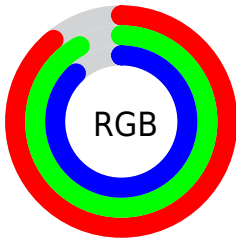
Format	Color
R_{YB}	224, 235, 233
Decimal	14871520
CIE Lab	92.12, -4.96, 4.28
CIE LCh	92, 6.552, 139.226
Yxy	80.9672, 0.3135, 0.3406
Android (android.graphics.Color)	4293061600 (0xFFE2EBE0)
YUV	231.0550, -3.4781, -4.4332
Hunter-Lab	89.9818, -9.6302, 8.8069

Details

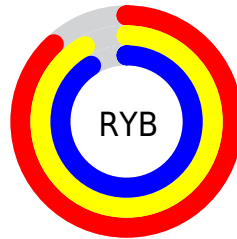
The Yxy color $80.9672, 0.3135, 0.3406$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $76.6436, 0.3119, 0.3176$, and the grayscale version is $79.9828, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.7627, 0.3138, 0.3427$ is the 20% darker color. If you saturate the color by 10%, you get $76.8402, 0.3151, 0.3676$, and if you desaturate by 10%, it is $85.6275, 0.3118, 0.3166$.

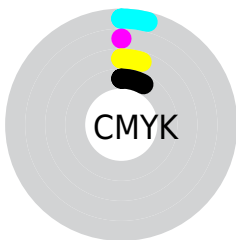
Distribution



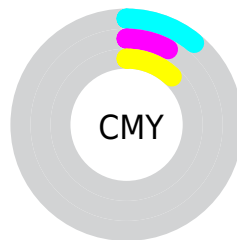
- Red (89%)
- Green (92%)
- Blue (88%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9672, 0.3135, 0.3406 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 80.9672, 0.3135, 0.3406 by changing the saturation by 10% instead.

80.9672, 0.3135,
0.3406

80.9672, 0.3135,
0.3406

498.1864, 0.3132,
0.3353

60.5146, 0.3136,
0.3418

134.7247, 0.3134,
0.3388

43.8335, 0.3137,
0.3433

168.7984, 0.3133,
0.3381

30.5397, 0.3138,
0.3451

208.1812, 0.3133,
0.3374

20.2486, 0.3139,
0.3476

253.2576, 0.3133,
0.3369

12.5759, 0.3140,
0.3508

304.4119, 0.3132,
0.3364

7.1371, 0.3142,
0.3555

362.0286, 0.3132,

3.5480, 0.3145,

0.3360

426.4919, 0.3132,
0.3356

0.3628

■ 1.4241, 0.3148,
0.3754

■ 0.2344, 0.3025,
0.6975

■ 80.9672, 0.3135,
0.3406

■ 80.9672, 0.3135,
0.3406

■ 76.8402, 0.3151,
0.3676

■ 85.6275, 0.3118,
0.3166

■ 73.2174, 0.3164,
0.3976

■ 87.9013, 0.3136,
0.3097

■ 70.0824, 0.3172,
0.4301

■ 67.4140, 0.3175,
0.4642

■ 65.1896, 0.3171,
0.4982

■ 63.3844, 0.3157,
0.5301

■ 61.9713, 0.3135,
0.5576

■ 60.9197, 0.3104,
0.5785

■ 60.1939, 0.3069,
0.5916

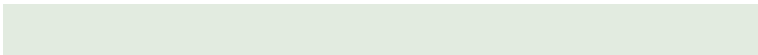
Harmonies

Analogous

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



80.9672, 0.3209, 0.3423



80.9672, 0.3135, 0.3406



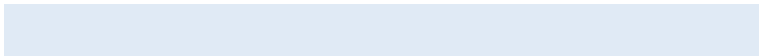
80.9672, 0.3060, 0.3357

Triad

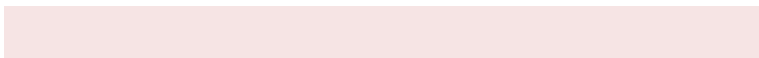
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9672, 0.3135, 0.3406



80.9672, 0.2995, 0.3176



80.9672, 0.3252, 0.3289

Complementary

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



80.9672, 0.3135, 0.3406



76.6436, 0.3119, 0.3176

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.



80.9672, 0.3194, 0.3225



80.9672, 0.3135, 0.3406



80.9672, 0.3045, 0.3160

Square

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



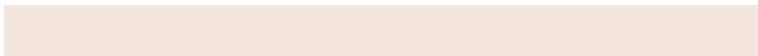
80.9672, 0.3135, 0.3406



80.9672, 0.2980, 0.3223



80.9672, 0.3118, 0.3178



80.9672, 0.3277, 0.3354

Rectangle

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



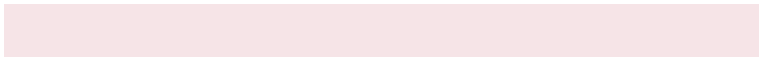
80.9672, 0.3135, 0.3406



80.9672, 0.3019, 0.3313



80.9672, 0.3118, 0.3178



80.9672, 0.3236, 0.3267

Sweetspot

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



80.9707, 0.3135, 0.3406



99.4424, 0.3129, 0.3314



81.3190, 0.3198, 0.3383



21.2906, 0.3129, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

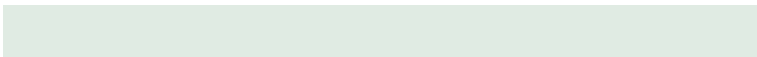
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9707, 0.3135, 0.3406



96.7512, 0.3137, 0.3441



80.8434, 0.3100, 0.3369



17.2501, 0.3138, 0.3456



33.3847, 0.3058, 0.5954



2.6588, 0.3142, 0.5887

Inverse Universe

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



76.6436, 0.3119, 0.3176



90.1051, 0.3116, 0.3142



76.7794, 0.3155, 0.3212



15.9485, 0.3115, 0.3127



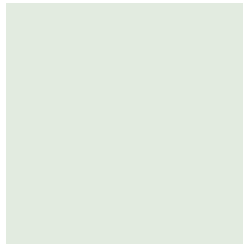
9.6771, 0.2758, 0.1293



0.7956, 0.2824, 0.1329

Previews

White Background



This preview shows how the Yxy color 80.9672, 0.3135, 0.3406 looks on a white background.

Color Contrast Check

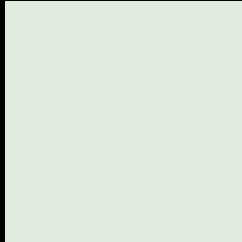
Large Text (above 18pt) WCAG AA × Fail

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 80.9672, 0.3135, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

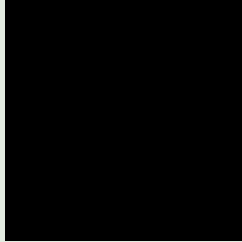
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

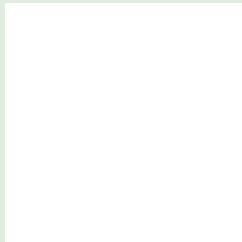
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9672, 0.3135, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 80.9672, 0.3135, 0.3406.

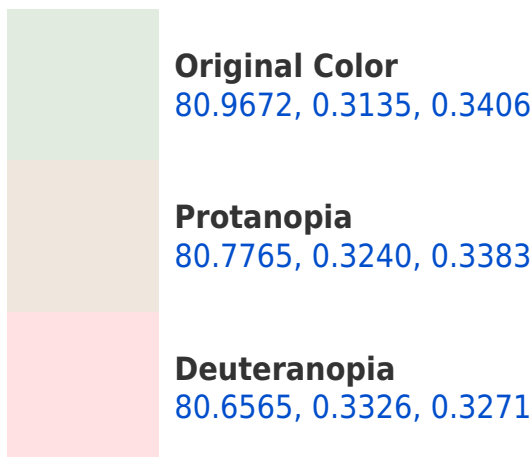


This preview shows how white text looks on a background with the Yxy color 80.9672, 0.3135, 0.3406.

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

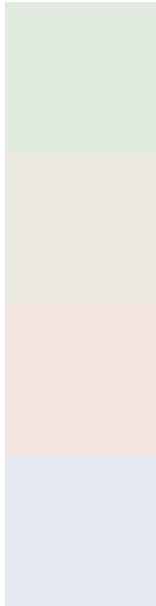




Tritanopia

80.8144, 0.3009, 0.3106

Trichromacy



Original Color

80.9672, 0.3135, 0.3406

Protanomaly

80.5334, 0.3198, 0.3384

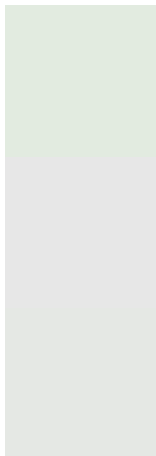
Deuteranomaly

80.7627, 0.3251, 0.3321

Tritanomaly

80.6625, 0.3057, 0.3207

Monochromacy



Original Color

80.9672, 0.3135, 0.3406

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.9727, 0.3132, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9672, 0.3135, 0.3406 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(226, 235, 224)` looks like.

```
.text, #text, p{  
    color:rgb(226, 235, 224)  
}
```

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(226, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 235, 224) }
```

Border

The CSS property to change the border of an element to Yxy 80.9672, 0.3135, 0.3406 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(226, 235, 224) }
```

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

```
.border{ border-color:rgb(226, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 235,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9672, 0.3135, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 235, 224) }
```

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

```
.background{ background-color: rgb(226,  
235, 224) }
```

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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