

Converting Colors

Yxy(80.3117, 0.3228, 0.3423)

Have a look what the booklet for
Yxy(80.3117, 0.3228, 0.3423)
contains.

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Color

Yxy(80.4899, 0.3231, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	EBE8DB
RGB	235, 232, 219
RGB Percent	92%, 91%, 86%
CMY	0.0783, 0.0902, 0.1412
CMYK	0.00, 0.01, 0.07, 0.08
HSL	49°, 29%, 89%
HSV	49°, 7%, 92%
XYZ	75.9086, 80.4899, 78.5399
YIQ	231.4150, 5.9610, -3.4070

Conversions

Conversions Part 2

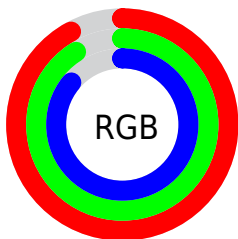
Format	Color
R_{YB}	223, 235, 219
Decimal	15460571
CIE Lab	91.90, -1.21, 6.68
CIE LCh	92, 6.784, 100.258
Yxy	80.4899, 0.3231, 0.3426
Android (android.graphics.Color)	4293650651 (0xFFEBE8DB)
YUV	231.4150, -6.1206, 3.1440
Hunter-Lab	89.7162, -5.9749, 10.8973

Details

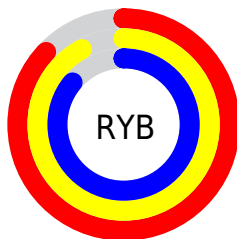
The Yxy color **80.4899, 0.3231, 0.3426** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **73.3065, 0.3022, 0.3150**, and the grayscale version is **80.2836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3147, 0.3253, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **76.8746, 0.3392, 0.3632**, and if you desaturate by 10%, it is **84.3501, 0.3081, 0.3228**.

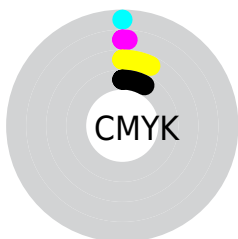
Distribution



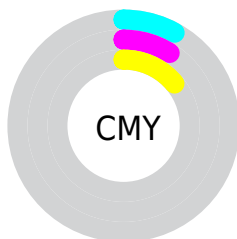
- Red (92%)
- Green (91%)
- Blue (86%)



- Red (87%)
- Yellow (92%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4899, 0.3231, 0.3426 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 80.4899, 0.3231, 0.3426 by changing the saturation by 10% instead.

80.4899, 0.3231,
0.3426

80.4899, 0.3231,
0.3426

496.5823, 0.3184,
0.3364

60.1216, 0.3242,
0.3440

134.0543, 0.3215,
0.3405

43.5166, 0.3255,
0.3457

168.0191, 0.3208,
0.3396

30.2907, 0.3271,
0.3479

207.2850, 0.3203,
0.3389

20.0593, 0.3292,
0.3507

252.2361, 0.3198,
0.3383

12.4382, 0.3320,
0.3544

303.2571, 0.3194,
0.3377

7.0428, 0.3360,
0.3598

360.7321, 0.3190,

3.4889, 0.3420,

0.3372

0.3680

425.0457, 0.3187,
0.3368

■ 1.3920, 0.3523,
0.3820

■ 0.2108, 0.4477,
0.5523

■ 80.4899, 0.3231,
0.3426

■ 80.4899, 0.3231,
0.3426

■ 76.8746, 0.3392,
0.3632

■ 84.3501, 0.3081,
0.3228

■ 73.4859, 0.3563,
0.3843

■ 87.7238, 0.3006,
0.3149

■ 70.3191, 0.3739,
0.4051

■ 90.3816, 0.3006,
0.3193

■ 67.3653, 0.3915,
0.4248

■ 93.1038, 0.3006,
0.3238

■ 64.6148, 0.4085,
0.4425

■ 95.8909, 0.3006,
0.3282

■ 62.0570, 0.4240,
0.4571

■ 96.4071, 0.3006,
0.3290

■ 59.6798, 0.4374,
0.4676

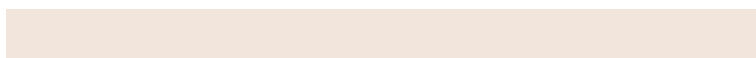
■ 57.4693, 0.4480,
0.4735

■ 55.4077, 0.4557,
0.4748

Harmonies

Analogous

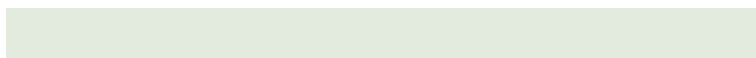
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4899, 0.3275, 0.3395



80.4899, 0.3231, 0.3426



80.4899, 0.3159, 0.3420

Triad

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



80.4899, 0.3231, 0.3426



80.4899, 0.2978, 0.3240



80.4899, 0.3174, 0.3205

Complementary

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



80.4899, 0.3231, 0.3426



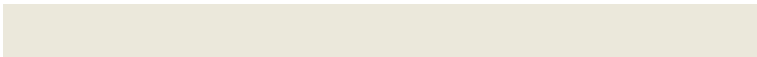
73.3065, 0.3022, 0.3150

Split Complementary

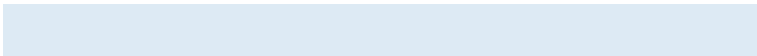
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4899, 0.3094, 0.3165



80.4899, 0.3231, 0.3426



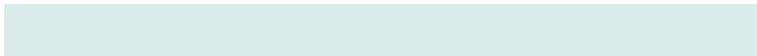
80.4899, 0.2981, 0.3183

Square

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



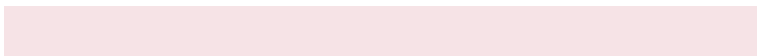
80.4899, 0.3231, 0.3426



80.4899, 0.3013, 0.3311



80.4899, 0.3023, 0.3156



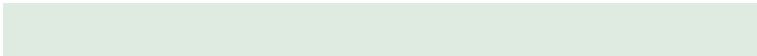
80.4899, 0.3242, 0.3268

Rectangle

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



80.4899, 0.3231, 0.3426



80.4899, 0.3106, 0.3395



80.4899, 0.3023, 0.3156



80.4899, 0.3147, 0.3189

Sweetspot

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



80.4934, 0.3231, 0.3426



99.0629, 0.3157, 0.3330



73.6053, 0.3221, 0.3257



21.2134, 0.3156, 0.3328



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.



80.4934, 0.3231, 0.3426



96.3219, 0.3250, 0.3451



81.4055, 0.3195, 0.3459



17.1153, 0.3273, 0.3480



30.6545, 0.4571, 0.4753



2.5317, 0.4509, 0.4802

Inverse Universe

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



73.3065, 0.3022, 0.3150



86.2268, 0.3003, 0.3124



72.4686, 0.3056, 0.3119



15.0091, 0.2980, 0.3093



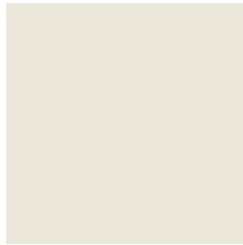
4.4931, 0.1550, 0.0781



0.4816, 0.1616, 0.1017

Previews

White Background



This preview shows how the Yxy color 80.4899, 0.3231, 0.3426 looks on a white background.

Color Contrast Check

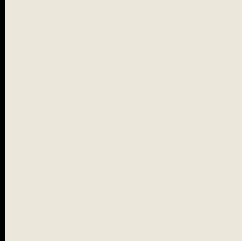
Large Text (above 18pt) WCAG AA × Fail

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 80.4899, 0.3231, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

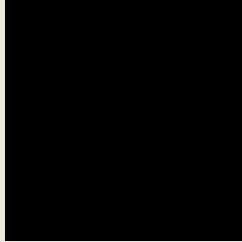
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

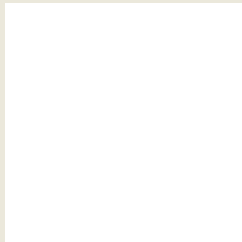
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4899, 0.3231, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 80.4899, 0.3231, 0.3426.

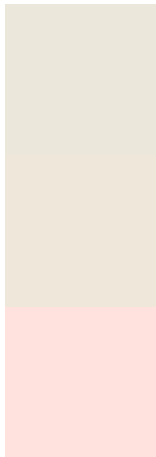


This preview shows how white text looks on a background with the Yxy color 80.4899, 0.3231, 0.3426.

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

80.4899, 0.3231, 0.3426

Protanopia

80.5645, 0.3266, 0.3425

Deuteranopia

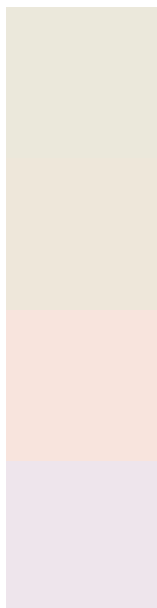
80.3844, 0.3361, 0.3321



Tritanopia

80.4913, 0.3088, 0.3108

Trichromacy



Original Color

80.4899, 0.3231, 0.3426

Protanomaly

80.3909, 0.3259, 0.3425

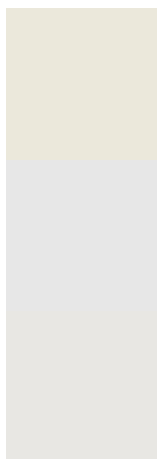
Deuteranomaly

80.6637, 0.3313, 0.3362

Tritanomaly

80.2719, 0.3144, 0.3218

Monochromacy



Original Color

80.4899, 0.3231, 0.3426

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8537, 0.3159, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4899, 0.3231, 0.3426 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(235, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 219)  
}
```

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(235, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 219) }
```

Border

The CSS property to change the border of an element to Yxy 80.4899, 0.3231, 0.3426 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(235, 232, 219) }
```

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

```
.border{ border-color:rgb(235, 232, 219) }
```

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

Here you see how a box with a 4 pixel rgb(235, 232, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4899, 0.3231, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 219) }
```

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

```
.background{ background-color: rgb(235,  
232, 219) }
```

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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