

Converting Colors

$Yxy(80.4052, 0.3278, 0.3419)$

Have a look what the booklet for
Yxy(80.4052, 0.3278, 0.3419)
contains.

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Color

Yxy(80.1808, 0.3274, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	F0E6DA
RGB	240, 230, 218
RGB Percent	94%, 90%, 85%
CMY	0.0590, 0.0979, 0.1452
CMYK	0.00, 0.04, 0.09, 0.06
HSL	33°, 42%, 90%
HSV	33°, 9%, 94%
XYZ	76.8703, 80.1808, 77.7390
YIQ	231.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

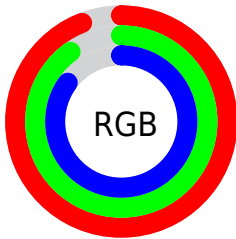
Format	Color
R_{YB}	236, 240, 218
Decimal	15787738
CIE _{Lab}	91.77, 1.34, 7.05
CIE _{LCh}	92, 7.175, 79.247
Yxy	80.1808, 0.3274, 0.3415
Android (android.graphics.Color)	4293977818 (0xFFFF0E6DA)
YUV	231.6220, -6.7156, 7.3475
Hunter-Lab	89.5437, -3.4653, 11.2069

Details

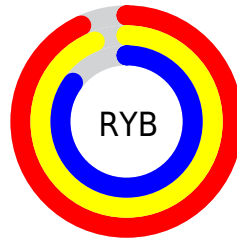
The Yxy color **80.1808, 0.3274, 0.3415** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **76.6209, 0.2985, 0.3162**, and the grayscale version is **80.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4946, 0.3309, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **73.1724, 0.3455, 0.3559**, and if you desaturate by 10%, it is **87.7530, 0.3114, 0.3279**.

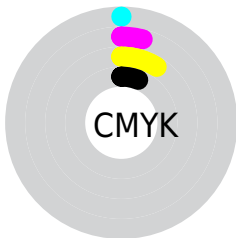
Distribution



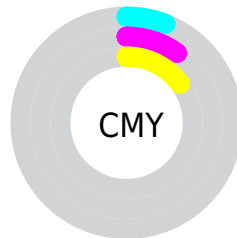
- Red (94%)
- Green (90%)
- Blue (85%)



- Red (93%)
- Yellow (94%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (6%)





- Cyan (6%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1808, 0.3274, 0.3415 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 80.1808, 0.3274, 0.3415 by changing the saturation by 10% instead.


 80.1808, 0.3274,
0.3415

 80.1808, 0.3274,
0.3415

495.5419, 0.3207,
0.3358

 59.8671, 0.3289,
0.3428


133.6199, 0.3251,
0.3396

 43.3116, 0.3308,
0.3443

167.5141, 0.3242,
0.3388

 30.1296, 0.3331,
0.3463


206.7040, 0.3234,
0.3381

 19.9370, 0.3361,
0.3488

251.5739, 0.3227,
0.3376

 12.3493, 0.3402,
0.3522

302.5083, 0.3221,
0.3371

 6.9820, 0.3459,
0.3569

359.8915, 0.3216,

 3.4509, 0.3547,

0.3366

0.3641

424.1079, 0.3211,
0.3362

■ 1.3714, 0.3698,
0.3763

■ 0.1955, 0.5278,
0.4722

■ 80.1808, 0.3274,
0.3415

■ 80.1808, 0.3274,
0.3415

■ 73.1724, 0.3455,
0.3559

■ 87.7530, 0.3114,
0.3279

■ 66.7027, 0.3657,
0.3707

■ 95.1656, 0.3035,
0.3257

■ 60.7599, 0.3881,
0.3854

■ 97.2556, 0.3035,
0.3290

■ 55.3278, 0.4124,
0.3994

■ 50.3893, 0.4378,
0.4115

■ 45.9257, 0.4634,
0.4205

■ 41.9165, 0.4877,
0.4252

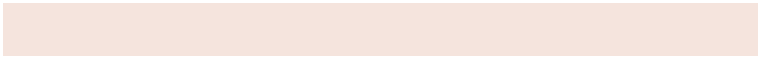
■ 38.3387, 0.5093,
0.4247

■ 35.1609, 0.5273,
0.4190

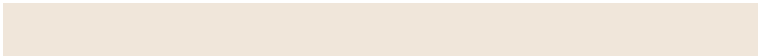
Harmonies

Analogous

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



80.1808, 0.3292, 0.3361



80.1808, 0.3274, 0.3415



80.1808, 0.3217, 0.3436

Triad

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



80.1808, 0.3274, 0.3415



80.1808, 0.2991, 0.3289



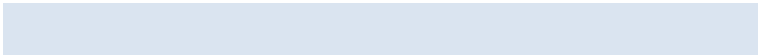
80.1808, 0.3117, 0.3167

Complementary

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



80.1808, 0.3274, 0.3415



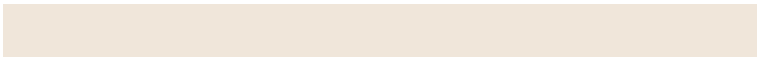
76.6209, 0.2985, 0.3162

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.



80.1808, 0.3037, 0.3147



80.1808, 0.3274, 0.3415



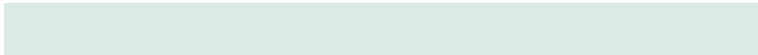
80.1808, 0.2965, 0.3216

Square

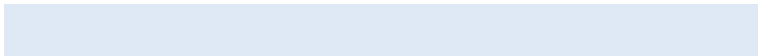
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1808, 0.3274, 0.3415



80.1808, 0.3053, 0.3363



80.1808, 0.2982, 0.3165



80.1808, 0.3201, 0.3219

Rectangle

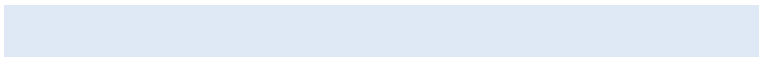
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1808, 0.3274, 0.3415



80.1808, 0.3164, 0.3428



80.1808, 0.2982, 0.3165



80.1808, 0.3089, 0.3156

Sweetspot

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



80.1843, 0.3274, 0.3415



97.3327, 0.3174, 0.3330



74.2617, 0.3217, 0.3184



20.6828, 0.3186, 0.3341



0.0000, 0.0000, 0.0000



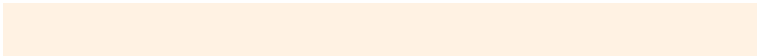
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1843, 0.3274, 0.3415



90.5062, 0.3306, 0.3442



85.7362, 0.3258, 0.3516



17.1959, 0.3279, 0.3420



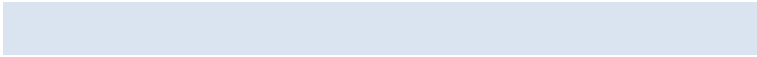
19.3886, 0.5265, 0.4202



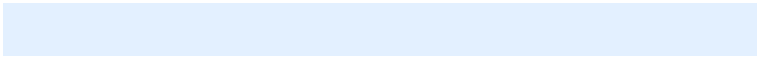
1.8115, 0.5085, 0.4344

Inverse Universe

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



76.6209, 0.2985, 0.3162



85.6374, 0.2955, 0.3134



71.4352, 0.2990, 0.3055



16.4043, 0.2980, 0.3157



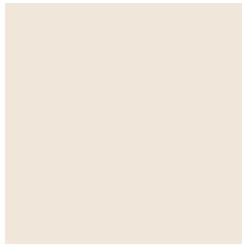
9.6164, 0.1728, 0.1421



0.9961, 0.1798, 0.1672

Previews

White Background



This preview shows how the Yxy color 80.1808, 0.3274, 0.3415 looks on a white background.

Color Contrast Check

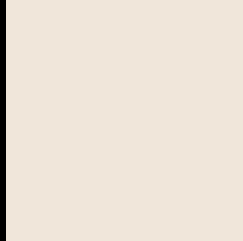
Large Text (above 18pt) WCAG AA × Fail

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 80.1808, 0.3274, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

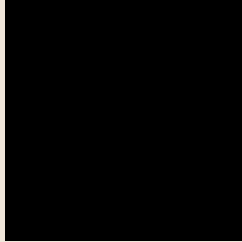
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

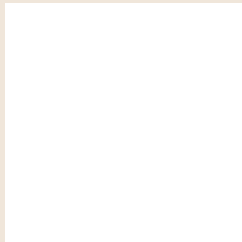
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1808, 0.3274, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 80.1808, 0.3274, 0.3415.

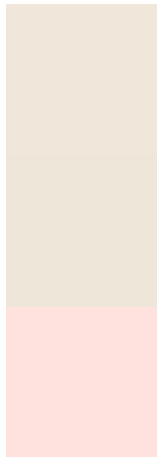


This preview shows how white text looks on a background with the Yxy color 80.1808, 0.3274, 0.3415.

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

80.1808, 0.3274, 0.3415

Protanopia

80.0063, 0.3267, 0.3415

Deuteranopia

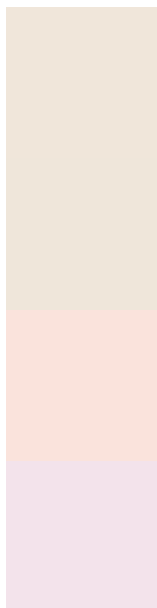
80.3309, 0.3367, 0.3331



Tritanopia

80.1575, 0.3136, 0.3109

Trichromacy



Original Color

80.1808, 0.3274, 0.3415

Protanomaly

80.0063, 0.3267, 0.3415

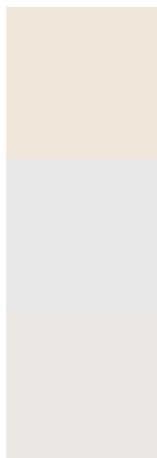
Deuteranomaly

80.4295, 0.3336, 0.3361

Tritanomaly

79.9910, 0.3186, 0.3209

Monochromacy



Original Color

80.1808, 0.3274, 0.3415

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.3600, 0.3180, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1808, 0.3274, 0.3415 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(240, 230, 218) looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 218)  
}
```

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(240, 230, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 218) }
```

Border

The CSS property to change the border of an element to Yxy 80.1808, 0.3274, 0.3415 is called "border". The border property can be set on classes, ids or directly on the HTML element.

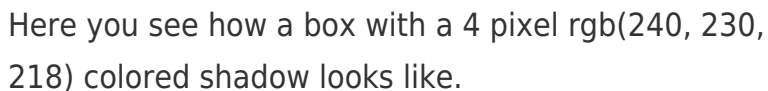
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 230, 218) }
```

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

```
.border{ border-color:rgb(240, 230, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(240, 230, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 230, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 230, 218); box-shadow:4px 4px 4px 4px rgb(240, 230, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1808, 0.3274, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 218) }
```

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

```
.background{ background-color: rgb(240,  
230, 218) }
```

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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