

Converting Colors

Yxy(81.0745, 0.3333, 0.3708)

Have a look what the booklet for
Yxy(81.0745, 0.3333, 0.3708)
contains.

Yxy(80.8451, 0.3333, 0.3706)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.8451, 0.3333, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	E6ECC5
RGB	230, 236, 197
RGB Percent	90%, 93%, 77%
CMY	0.0980, 0.0745, 0.2275
CMYK	0.03, 0.00, 0.17, 0.07
HSL	69°, 51%, 85%
HSV	69°, 17%, 93%
XYZ	72.7082, 80.8451, 64.5932
YIQ	229.7600, 8.9430, -13.4010

Conversions

Conversions Part 2

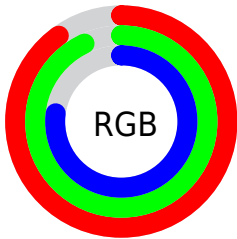
Format	Color
R _Y B	197, 236, 203
Decimal	15133893
CIE Lab	92.06, -8.50, 18.26
CIE LCh	92, 20.148, 114.968
Yxy	80.8451, 0.3333, 0.3706
Android (android.graphics.Color)	4293323973 (0xFFE6ECC5)
YUV	229.7600, -16.1507, 0.2105
Hunter-Lab	89.9139, -13.0066, 20.3464

Details

The Yxy color **80.8451, 0.3333, 0.3706** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.6831, 0.2900, 0.2849**, and the grayscale version is **79.0634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **43.6244, 0.3376, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **79.2562, 0.3458, 0.3969**, and if you desaturate by 10%, it is **82.6230, 0.3208, 0.3450**.

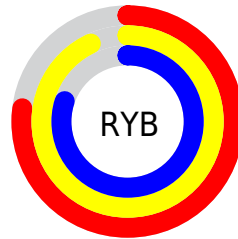
Distribution



Red (90%)

Green (93%)

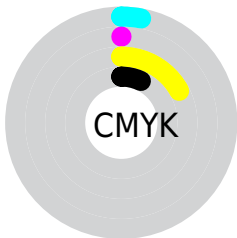
Blue (77%)



Red (77%)

Yellow (93%)

Blue (80%)

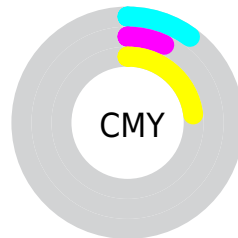


Cyan (3%)

Magenta (0%)

Yellow (17%)

Black (7%)



Cyan (10%)

Magenta (7%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8451, 0.3333, 0.3706 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 80.8451, 0.3333, 0.3706 by changing the saturation by 10% instead.

80.8451, 0.3333,
0.3706

80.8451, 0.3333,
0.3706

497.7763, 0.3241,
0.3514

60.4140, 0.3353,
0.3750

134.5532, 0.3302,
0.3640

43.7524, 0.3377,
0.3803

168.5991, 0.3290,
0.3614

30.4759, 0.3407,
0.3871

207.9520, 0.3279,
0.3591

20.2001, 0.3445,
0.3959

252.9964, 0.3270,
0.3572

12.5406, 0.3495,
0.4079

304.1166, 0.3261,
0.3555

7.1130, 0.3560,
0.4248


361.6971, 0.3254,


3.5329, 0.3650,


0.3540


426.1222, 0.3247,
0.3526


0.4506


 1.4158, 0.4044,
0.5294

 0.2284, 0.0397,
0.9603


 80.8451, 0.3333,
0.3706


 80.8451, 0.3333,
0.3706


 79.2562, 0.3458,
0.3969


 82.6230, 0.3208,
0.3450


 77.8377, 0.3578,
0.4230


 84.5865, 0.3085,
0.3207


 76.5845, 0.3688,
0.4482


 85.8944, 0.3044,
0.3102

 75.4874, 0.3783,
0.4712


 86.5387, 0.3067,
0.3103

 74.5360, 0.3856,
0.4912


 87.1957, 0.3091,
0.3105


 73.7186, 0.3905,
0.5070

 87.8656, 0.3114,
0.3106

 73.0216, 0.3927,
0.5183

 88.4730, 0.3136,
0.3107

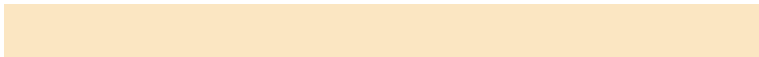
 72.4278, 0.3925,
0.5252

 72.2360, 0.3920,
0.5269

Harmonies

Analogous

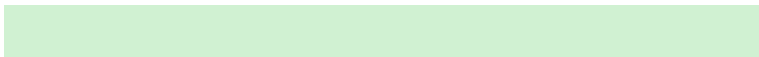
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8451, 0.3515, 0.3657



80.8451, 0.3333, 0.3706



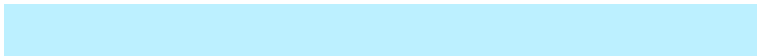
80.8451, 0.3100, 0.3635

Triad

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



80.8451, 0.3333, 0.3706



80.8451, 0.2682, 0.3043



80.8451, 0.3372, 0.3126

Complementary

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



80.8451, 0.3333, 0.3706



58.6831, 0.2900, 0.2849

Split Complementary

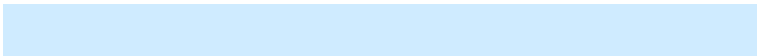
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8451, 0.3141, 0.2977



80.8451, 0.3333, 0.3706



80.8451, 0.2748, 0.2924

Square

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



80.8451, 0.3333, 0.3706



80.8451, 0.2730, 0.3239



80.8451, 0.2913, 0.2903



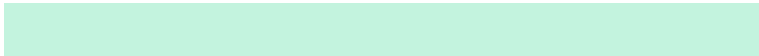
80.8451, 0.3540, 0.3319

Rectangle

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



80.8451, 0.3333, 0.3706



80.8451, 0.2949, 0.3526



80.8451, 0.2913, 0.2903



80.8451, 0.3299, 0.3070

Sweetspot

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



80.8487, 0.3333, 0.3706



98.8361, 0.3189, 0.3413



64.5049, 0.3432, 0.3355



21.1210, 0.3198, 0.3430



0.0000, 0.0000, 0.0000



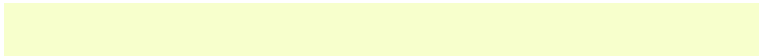
21.4041, 0.3127, 0.3290

Same Dimension

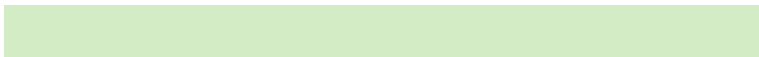
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8487, 0.3333, 0.3706



95.6833, 0.3378, 0.3799



77.8213, 0.3198, 0.3724



17.5029, 0.3244, 0.3524



39.8625, 0.3925, 0.5266



3.1618, 0.3964, 0.5234

Inverse Universe

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



58.6831, 0.2900, 0.2849



64.3786, 0.2845, 0.2744



61.5729, 0.3043, 0.2868



14.6600, 0.3004, 0.3048



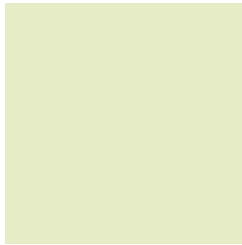
3.5826, 0.1565, 0.0636



0.3152, 0.1674, 0.0696

Previews

White Background



This preview shows how the Yxy color 80.8451, 0.3333, 0.3706 looks on a white background.

Color Contrast Check

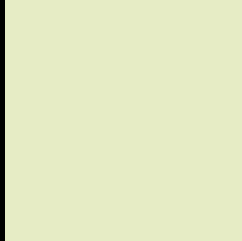
Large Text (above 18pt) WCAG AA × Fail

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 80.8451, 0.3333, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

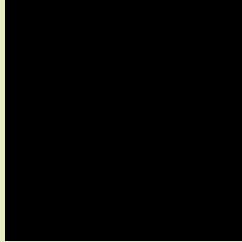
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

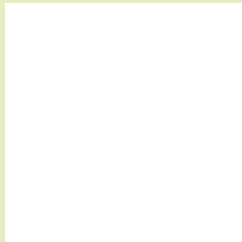
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8451, 0.3333, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 80.8451, 0.3333, 0.3706.

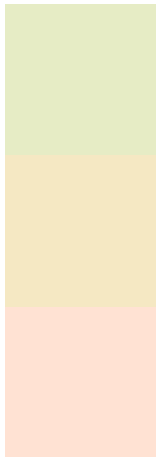


This preview shows how white text looks on a background with the Yxy color 80.8451, 0.3333, 0.3706.

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

80.8451, 0.3333, 0.3706

Protanopia

81.0658, 0.3460, 0.3673

Deuteranopia

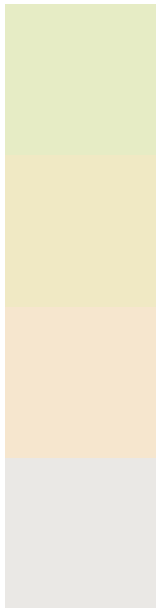
80.3559, 0.3435, 0.3442



Tritanopia

80.7585, 0.3068, 0.3108

Trichromacy



Original Color

80.8451, 0.3333, 0.3706

Protanomaly

80.7886, 0.3416, 0.3677

Deuteranomaly

80.6427, 0.3397, 0.3538

Tritanomaly

80.8628, 0.3160, 0.3321

Monochromacy



Original Color

80.8451, 0.3333, 0.3706

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.5982, 0.3202, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8451, 0.3333, 0.3706 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(230, 236, 197)` looks like.

```
.text, #text, p{  
    color:rgb(230, 236, 197)  
}
```

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(230, 236, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 236, 197) }
```

Border

The CSS property to change the border of an element to Yxy 80.8451, 0.3333, 0.3706 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(230, 236, 197) }
```

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

```
.border{ border-color:rgb(230, 236, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 236, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 236, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 236, 197);  
box-shadow:4px 4px 4px 4px rgb(230, 236,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8451, 0.3333, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 236, 197) }
```

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

```
.background{ background-color: rgb(230,  
236, 197) }
```

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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