

Converting Colors

$Yxy(80.9531, 0.3333, 0.3718)$

Have a look what the booklet for
Yxy(80.9531, 0.3333, 0.3718)
contains.

Yxy(80.6344, 0.3332, 0.3718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.6344, 0.3332, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	E5ECC4
RGB	229, 236, 196
RGB Percent	90%, 93%, 77%
CMY	0.1021, 0.0744, 0.2314
CMYK	0.03, 0.00, 0.17, 0.07
HSL	71°, 51%, 85%
HSV	71°, 17%, 93%
XYZ	72.2630, 80.6344, 63.9783
YIQ	229.3470, 8.6680, -13.9240

Conversions

Conversions Part 2

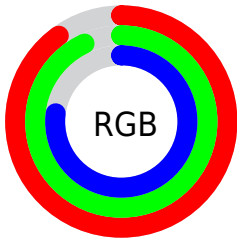
Format	Color
R _Y B	196, 236, 203
Decimal	15068356
CIE Lab	91.97, -9.03, 18.64
CIE LCh	92, 20.712, 115.862
Yxy	80.6344, 0.3332, 0.3718
Android (android.graphics.Color)	4293258436 (0xFFE5ECC4)
YUV	229.3470, -16.4401, -0.3043
Hunter-Lab	89.7967, -13.4980, 20.6147

Details

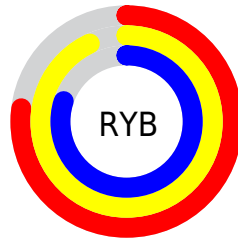
The Yxy color **80.6344, 0.3332, 0.3718** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.2408, 0.2900, 0.2838**, and the grayscale version is **78.7401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **43.4797, 0.3375, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **78.9702, 0.3453, 0.3982**, and if you desaturate by 10%, it is **82.4912, 0.3210, 0.3461**.

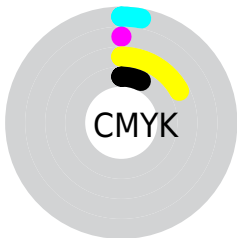
Distribution



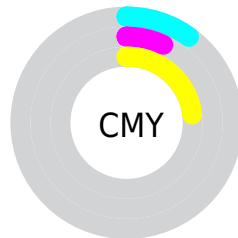
- Red (90%)
- Green (93%)
- Blue (77%)



- 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 80.6344, 0.3332, 0.3718 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 80.6344, 0.3332, 0.3718 by changing the saturation by 10% instead.

80.6344, 0.3332,
0.3718

80.6344, 0.3332,
0.3718

497.0682, 0.3241,
0.3520

60.2405, 0.3352,
0.3763

134.2573, 0.3301,
0.3650

43.6125, 0.3376,
0.3818

168.2551, 0.3289,
0.3623

30.3660, 0.3406,
0.3888

207.5564, 0.3278,
0.3600

20.1166, 0.3443,
0.3980

252.5455, 0.3269,
0.3580

12.4798, 0.3492,
0.4103

303.6069, 0.3261,
0.3562

7.0713, 0.3556,
0.4278

361.1248, 0.3253,

3.5068, 0.3643,

0.3547

0.4545

425.4838, 0.3247,
0.3533

■ 1.4017, 0.4062,
0.5399

■ 0.2180, 0.0000,
1.0000

■ 80.6344, 0.3332,
0.3718

■ 80.6344, 0.3332,
0.3718

■ 78.9702, 0.3453,
0.3982

■ 82.4912, 0.3210,
0.3461

■ 77.4799, 0.3569,
0.4246


■ 84.5373, 0.3091,
0.3217


■ 76.1585, 0.3674,
0.4500


■ 85.9997, 0.3047,
0.3102

■ 74.9965, 0.3764,
0.4734


■ 86.7421, 0.3074,
0.3104


 73.9835, 0.3832,
0.4936


 87.5013, 0.3101,
0.3105

 73.1078, 0.3876,
0.5098

 88.2775, 0.3129,
0.3107

 72.3555, 0.3893,
0.5214

 88.4806, 0.3136,
0.3107

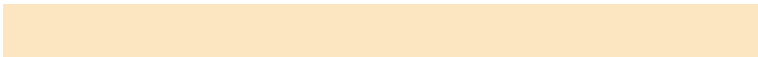
 71.7089, 0.3885,
0.5284

 71.5244, 0.3880,
0.5301

Harmonies

Analogous

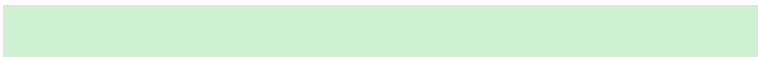
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6344, 0.3522, 0.3670



80.6344, 0.3332, 0.3718



80.6344, 0.3092, 0.3641

Triad

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



80.6344, 0.3332, 0.3718



80.6344, 0.2670, 0.3031



80.6344, 0.3386, 0.3127

Complementary

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



80.6344, 0.3332, 0.3718



58.2408, 0.2900, 0.2838

Split Complementary

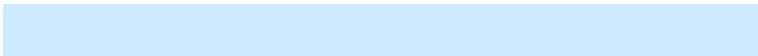
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6344, 0.3148, 0.2972



80.6344, 0.3332, 0.3718



80.6344, 0.2741, 0.2912

Square

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



80.6344, 0.3332, 0.3718



80.6344, 0.2716, 0.3230



80.6344, 0.2913, 0.2893



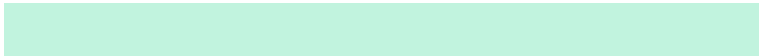
80.6344, 0.3556, 0.3325

Rectangle

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



80.6344, 0.3332, 0.3718



80.6344, 0.2937, 0.3527



80.6344, 0.2913, 0.2893



80.6344, 0.3311, 0.3068

Sweetspot

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



80.6379, 0.3332, 0.3718



98.7820, 0.3187, 0.3413



64.3769, 0.3440, 0.3364



21.1078, 0.3196, 0.3431



0.0000, 0.0000, 0.0000



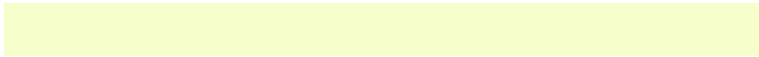
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6379, 0.3332, 0.3718



95.4742, 0.3370, 0.3800



77.5909, 0.3196, 0.3737



17.4849, 0.3241, 0.3525



39.4702, 0.3885, 0.5297



3.1345, 0.3930, 0.5261

Inverse Universe

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



58.2408, 0.2900, 0.2838



64.5505, 0.2853, 0.2745



61.1735, 0.3046, 0.2857



14.6766, 0.3007, 0.3048



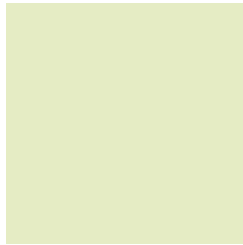
3.6440, 0.1580, 0.0644



0.3230, 0.1699, 0.0710

Previews

White Background



This preview shows how the Yxy color 80.6344, 0.3332, 0.3718 looks on a white background.

Color Contrast Check

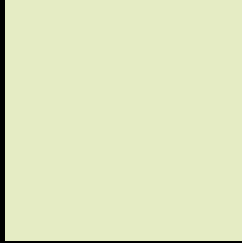
Large Text (above 18pt) WCAG AA × Fail

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 80.6344, 0.3332, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

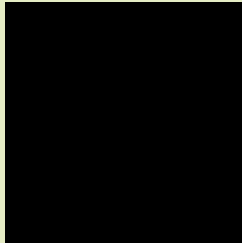
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

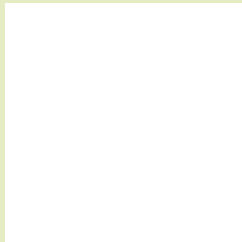
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6344, 0.3332, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 80.6344, 0.3332, 0.3718.



This preview shows how white text looks on a background with the Yxy color 80.6344, 0.3332, 0.3718.

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

80.6344, 0.3332, 0.3718

Protanopia

80.4593, 0.3469, 0.3674

Deuteranopia

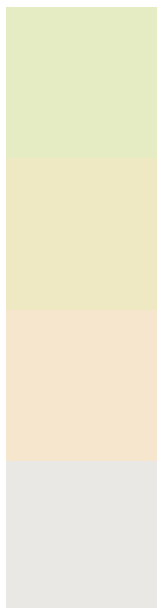
80.3559, 0.3435, 0.3442



Tritanopia

80.5869, 0.3061, 0.3107

Trichromacy



Original Color

80.6344, 0.3332, 0.3718

Protanomaly

80.5687, 0.3415, 0.3689

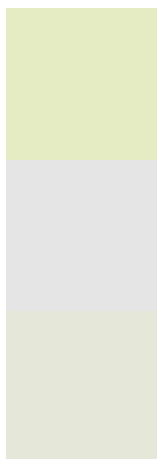
Deuteranomaly

80.6427, 0.3397, 0.3538

Tritanomaly

80.6383, 0.3159, 0.3332

Monochromacy



Original Color

80.6344, 0.3332, 0.3718

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.3810, 0.3202, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6344, 0.3332, 0.3718 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(229, 236, 196)` looks like.

```
.text, #text, p{  
    color:rgb(229, 236, 196)  
}
```

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(229, 236, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 236, 196) }
```

Border

The CSS property to change the border of an element to Yxy 80.6344, 0.3332, 0.3718 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(229, 236, 196) }
```

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

```
.border{ border-color:rgb(229, 236, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 236, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 236, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 236, 196);  
box-shadow:4px 4px 4px 4px rgb(229, 236,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6344, 0.3332, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 236, 196) }
```

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

```
.background{ background-color: rgb(229,  
236, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor