

Converting Colors

Yxy(80.9169, 0.3248, 0.3595)

Have a look what the booklet for
Yxy(80.9169, 0.3248, 0.3595)
contains.

Yxy(80.8268, 0.3248, 0.3599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.8268, 0.3248, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	E3ECCF
RGB	227, 236, 207
RGB Percent	89%, 93%, 81%
CMY	0.1097, 0.0745, 0.1881
CMYK	0.04, 0.00, 0.12, 0.07
HSL	79°, 43%, 87%
HSV	79°, 12%, 93%
XYZ	72.9440, 80.8268, 70.8105
YIQ	230.0030, 3.9450, -10.9270

Conversions

Conversions Part 2

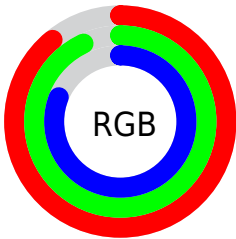
Format	Color
R _Y B	207, 236, 216
Decimal	14937295
CIE Lab	92.05, -7.98, 13.02
CIE LCh	92, 15.272, 121.484
Yxy	80.8268, 0.3248, 0.3599
Android (android.graphics.Color)	4293127375 (0xFFE3ECCF)
YUV	230.0030, -11.3405, -2.6336
Hunter-Lab	89.9037, -12.5043, 16.2343

Details

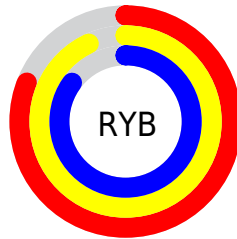
The Yxy color **80.8268, 0.3248, 0.3599** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.3009, 0.2996, 0.2974**, and the grayscale version is **79.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7131, 0.3276, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **78.5958, 0.3347, 0.3867**, and if you desaturate by 10%, it is **83.2879, 0.3149, 0.3345**.

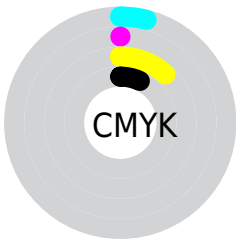
Distribution



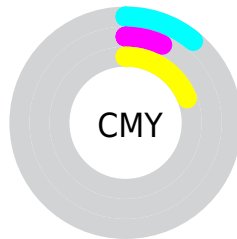
- Red (89%)
- Green (93%)
- Blue (81%)



- Red (81%)
- Yellow (93%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8268, 0.3248, 0.3599 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 80.8268, 0.3248, 0.3599 by changing the saturation by 10% instead.

80.8268, 0.3248,
0.3599

80.8268, 0.3248,
0.3599

497.7149, 0.3194,
0.3457

60.3990, 0.3260,
0.3631

134.5275, 0.3230,
0.3550

43.7403, 0.3274,
0.3671

168.5692, 0.3222,
0.3530

30.4664, 0.3292,
0.3722

207.9177, 0.3216,
0.3514

20.1929, 0.3314,
0.3788

252.9573, 0.3211,
0.3500

12.5353, 0.3344,
0.3877

304.0724, 0.3206,
0.3487

7.1094, 0.3384,
0.4005

361.6474, 0.3202,

3.5306, 0.3440,

0.3476

0.4203

426.0668, 0.3198,
0.3466

■ 1.4146, 0.3589,
0.4634

■ 0.2275, 0.0863,
0.9137

■ 80.8268, 0.3248,
0.3599

■ 80.8268, 0.3248,
0.3599

■ 78.5958, 0.3347,
0.3867

■ 83.2879, 0.3149,
0.3345

■ 76.5762, 0.3441,
0.4144

■ 85.9764, 0.3053,
0.3109

■ 74.7627, 0.3528,
0.4422

■ 87.3438, 0.3096,
0.3105

■ 73.1456, 0.3601,
0.4689

■ 88.4696, 0.3136,
0.3107

■ 71.7145, 0.3656,
0.4934

■ 70.4579, 0.3688,
0.5144

■ 69.3623, 0.3694,
0.5309

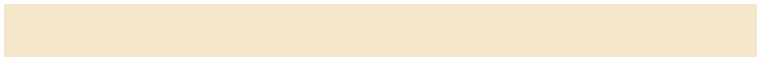
■ 68.4119, 0.3676,
0.5425

■ 67.7579, 0.3648,
0.5485

Harmonies

Analogous

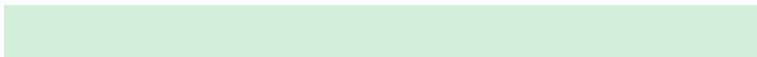
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8268, 0.3397, 0.3584



80.8268, 0.3248, 0.3599



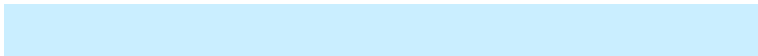
80.8268, 0.3069, 0.3525

Triad

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



80.8268, 0.3248, 0.3599



80.8268, 0.2791, 0.3079



80.8268, 0.3346, 0.3196

Complementary

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



80.8268, 0.3248, 0.3599



65.3009, 0.2996, 0.2974

Split Complementary

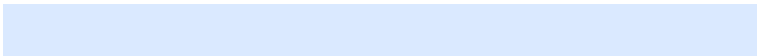
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8268, 0.3178, 0.3071



80.8268, 0.3248, 0.3599



80.8268, 0.2860, 0.3001

Square

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



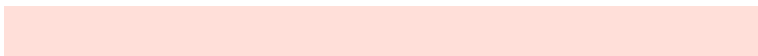
80.8268, 0.3248, 0.3599



80.8268, 0.2809, 0.3218



80.8268, 0.3000, 0.3000



80.8268, 0.3456, 0.3347

Rectangle

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



80.8268, 0.3248, 0.3599



80.8268, 0.2958, 0.3436



80.8268, 0.3000, 0.3000



80.8268, 0.3294, 0.3150

Sweetspot

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



80.8303, 0.3248, 0.3599



98.7655, 0.3166, 0.3388



71.3103, 0.3338, 0.3383



21.0912, 0.3174, 0.3407



0.0000, 0.0000, 0.0000



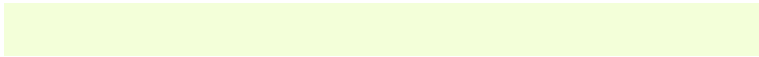
21.4041, 0.3127, 0.3290

Same Dimension

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



80.8303, 0.3248, 0.3599



95.5965, 0.3276, 0.3673



78.6170, 0.3151, 0.3608



17.3791, 0.3220, 0.3526



37.4217, 0.3657, 0.5478



2.9890, 0.3733, 0.5418

Inverse Universe

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



65.3009, 0.2996, 0.2974



73.3107, 0.2963, 0.2896



67.5565, 0.3099, 0.2984



14.7754, 0.3028, 0.3050



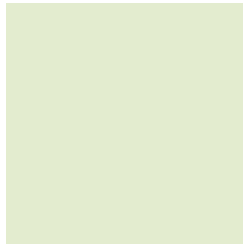
4.1829, 0.1716, 0.0719



0.3777, 0.1864, 0.0800

Previews

White Background



This preview shows how the Yxy color 80.8268, 0.3248, 0.3599 looks on a white background.

Color Contrast Check

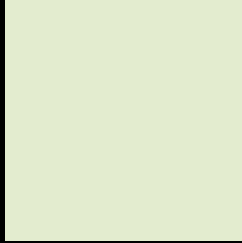
Large Text (above 18pt) WCAG AA × Fail

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 80.8268, 0.3248, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

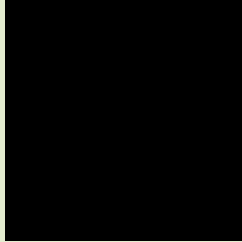
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

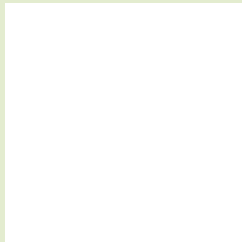
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8268, 0.3248, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 80.8268, 0.3248, 0.3599.



This preview shows how white text looks on a background with the Yxy color 80.8268, 0.3248, 0.3599.

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

80.8268, 0.3248, 0.3599

Protanopia

80.6143, 0.3381, 0.3560

Deuteranopia

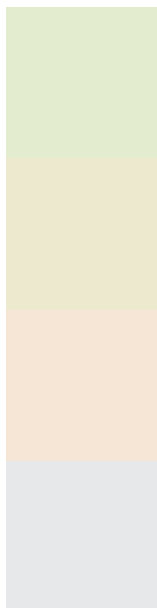
80.6106, 0.3400, 0.3391



Tritanopia

80.6946, 0.3035, 0.3106

Trichromacy



Original Color

80.8268, 0.3248, 0.3599

Protanomaly

80.7386, 0.3328, 0.3573

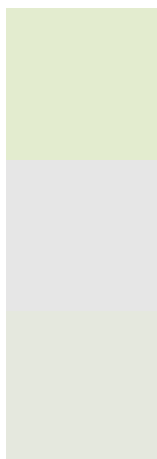
Deuteranomaly

80.8102, 0.3343, 0.3465

Tritanomaly

80.5853, 0.3114, 0.3280

Monochromacy



Original Color

80.8268, 0.3248, 0.3599

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6452, 0.3170, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8268, 0.3248, 0.3599 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(227, 236, 207)` looks like.

```
.text, #text, p{  
    color:rgb(227, 236, 207)  
}
```

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(227, 236, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 236, 207) }
```

Border

The CSS property to change the border of an element to Yxy 80.8268, 0.3248, 0.3599 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(227, 236, 207) }
```

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

```
.border{ border-color:rgb(227, 236, 207) }
```

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

Here you see how a box with a 4 pixel rgb(227, 236, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 236, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 236, 207);  
box-shadow:4px 4px 4px 4px rgb(227, 236,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8268, 0.3248, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 236, 207) }
```

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

```
.background{ background-color: rgb(227,  
236, 207) }
```

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