

Converting Colors

$Yxy(80.5687, 0.3415, 0.3689)$

Have a look what the booklet for
Yxy(80.5687, 0.3415, 0.3689)
contains.

Yxy(80.5687, 0.3415, 0.3689)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.5687, 0.3415, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	EFE9C3
RGB	239, 233, 195
RGB Percent	94%, 91%, 76%
CMY	0.0628, 0.0862, 0.2353
CMYK	0.00, 0.03, 0.18, 0.06
HSL	52°, 58%, 85%
HSV	52°, 18%, 94%
XYZ	74.5845, 80.5687, 63.2494
YIQ	230.4620, 15.7740, -10.5460

Conversions

Conversions Part 2

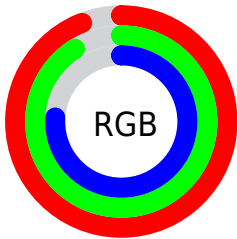
Format	Color
R_{YB}	202, 239, 195
Decimal	15722947
CIE _{Lab}	91.94, -4.07, 19.23
CIE _{LCh}	92, 19.653, 101.962
Yxy	80.5687, 0.3415, 0.3689
Android (android.graphics.Color)	4293913027 (0xFFEFE9C3)
YUV	230.4620, -17.4828, 7.4878
Hunter-Lab	89.7601, -8.7588, 21.0534

Details

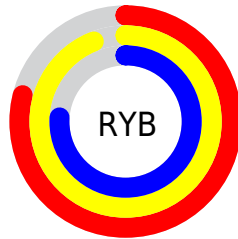
The Yxy color **80.5687, 0.3415, 0.3689** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.6019, 0.2827, 0.2857**, and the grayscale version is **79.6157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **43.4346, 0.3484, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **77.7513, 0.3581, 0.3912**, and if you desaturate by 10%, it is **83.6002, 0.3255, 0.3469**.

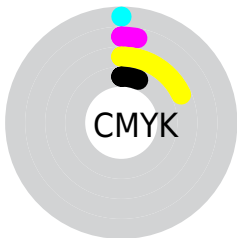
Distribution



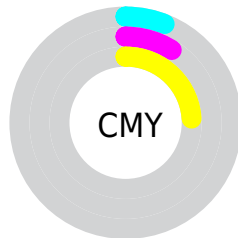
- Red (94%)
- Green (91%)
- Blue (76%)



- Red (79%)
- Yellow (94%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (18%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5687, 0.3415, 0.3689 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 80.5687, 0.3415, 0.3689 by changing the saturation by 10% instead.

80.5687, 0.3415,
0.3689

80.5687, 0.3415,
0.3689

496.8473, 0.3285,
0.3506

60.1864, 0.3444,
0.3730

134.1650, 0.3371,
0.3626

43.5689, 0.3479,
0.3781

168.1478, 0.3353,
0.3602

30.3318, 0.3522,
0.3844

207.4330, 0.3338,
0.3580

20.0905, 0.3578,
0.3926

252.4049, 0.3325,
0.3562

12.4609, 0.3651,
0.4035

303.4478, 0.3313,
0.3545

7.0584, 0.3750,
0.4189


360.9463, 0.3303,


3.4986, 0.3891,


0.3531

0.4416


425.2847, 0.3294,
0.3518


 1.3973, 0.4453,
0.5194


 0.2147, 0.3277,
0.6723


 80.5687, 0.3415,
0.3689

 80.5687, 0.3415,
0.3689


 77.7513, 0.3581,
0.3912


 83.6002, 0.3255,
0.3469


 75.1290, 0.3749,
0.4129

 86.8430, 0.3104,
0.3257

 72.6962, 0.3913,
0.4334

 89.5313, 0.3031,
0.3169

 70.4430, 0.4066,
0.4514

 91.4931, 0.3030,
0.3201

■ 68.3584, 0.4202,
0.4660

■ 93.4895, 0.3030,
0.3233

■ 66.4300, 0.4313,
0.4765

■ 95.5208, 0.3030,
0.3265

■ 64.6431, 0.4396,
0.4824

■ 97.0900, 0.3029,
0.3290

■ 62.9766, 0.4452,
0.4840

■ 62.7178, 0.4460,
0.4841

Harmonies

Analogous

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



80.5687, 0.3554, 0.3596



80.5687, 0.3415, 0.3689



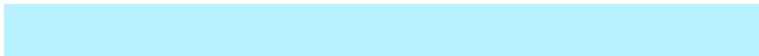
80.5687, 0.3202, 0.3671

Triad

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



80.5687, 0.3415, 0.3689



80.5687, 0.2699, 0.3125



80.5687, 0.3272, 0.3059

Complementary

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



80.5687, 0.3415, 0.3689



59.6019, 0.2827, 0.2857

Split Complementary

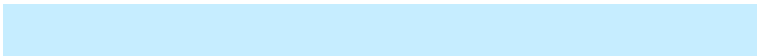
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5687, 0.3040, 0.2942



80.5687, 0.3415, 0.3689



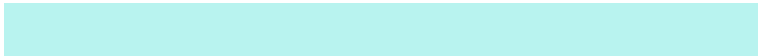
80.5687, 0.2716, 0.2972

Square

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



80.5687, 0.3415, 0.3689



80.5687, 0.2792, 0.3334



80.5687, 0.2838, 0.2909



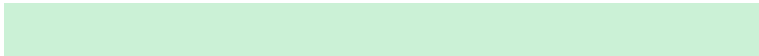
80.5687, 0.3471, 0.3234

Rectangle

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



80.5687, 0.3415, 0.3689



80.5687, 0.3048, 0.3594



80.5687, 0.2838, 0.2909



80.5687, 0.3195, 0.3012

Sweetspot

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



80.5723, 0.3415, 0.3689



97.7320, 0.3218, 0.3418



61.6259, 0.3434, 0.3220



20.8670, 0.3228, 0.3432



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.



80.5723, 0.3415, 0.3689



92.1236, 0.3475, 0.3771



81.4536, 0.3297, 0.3764



18.0706, 0.3272, 0.3492



34.8038, 0.4455, 0.4845



2.9957, 0.4415, 0.4876

Inverse Universe

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



59.6019, 0.2827, 0.2857



63.7493, 0.2760, 0.2759



59.0226, 0.2934, 0.2803



15.5756, 0.2980, 0.3079



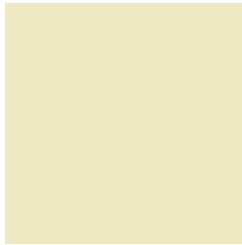
4.1387, 0.1530, 0.0707



0.4523, 0.1582, 0.0895

Previews

White Background



This preview shows how the Yxy color 80.5687, 0.3415, 0.3689 looks on a white background.

Color Contrast Check

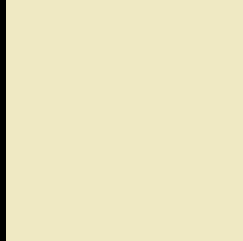
Large Text (above 18pt) WCAG AA × Fail

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 80.5687, 0.3415, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

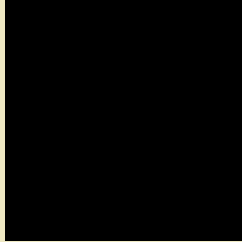
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

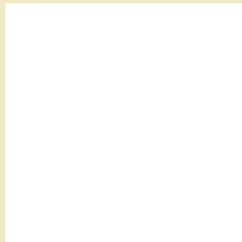
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5687, 0.3415, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 80.5687, 0.3415, 0.3689.



This preview shows how white text looks on a background with the Yxy color 80.5687, 0.3415, 0.3689.

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

80.5687, 0.3415, 0.3689

Protanopia

80.2800, 0.3462, 0.3675

Deuteranopia

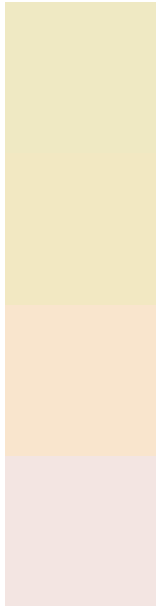
80.3059, 0.3442, 0.3452



Tritanopia

80.5172, 0.3149, 0.3110

Trichromacy



Original Color

80.5687, 0.3415, 0.3689

Protanomaly

80.4855, 0.3445, 0.3687

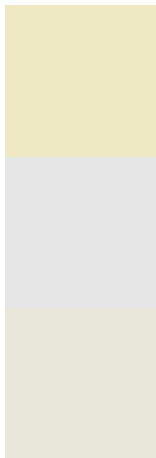
Deuteranomaly

80.5861, 0.3427, 0.3536

Tritanomaly

80.5843, 0.3244, 0.3321

Monochromacy



Original Color

80.5687, 0.3415, 0.3689

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.4852, 0.3231, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5687, 0.3415, 0.3689 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(239, 233, 195)` looks like.

```
.text, #text, p{  
    color:rgb(239, 233, 195)  
}
```

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(239, 233, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 233, 195) }
```

Border

The CSS property to change the border of an element to Yxy 80.5687, 0.3415, 0.3689 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(239, 233, 195) }
```

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

```
.border{ border-color:rgb(239, 233, 195) }
```

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

Here you see how a box with a 4 pixel rgb(239, 233, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 233, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 233, 195);  
box-shadow:4px 4px 4px 4px rgb(239, 233,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5687, 0.3415, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 233, 195) }
```

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

```
.background{ background-color: rgb(239,  
233, 195) }
```

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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