

Converting Colors

$Yxy(81.0253, 0.3669, 0.4188)$

Have a look what the booklet for
Yxy(81.0253, 0.3669, 0.4188)
contains.

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Color

Yxy(80.8399, 0.3667, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	EDED98
RGB	237, 237, 152
RGB Percent	93%, 93%, 60%
CMY	0.0705, 0.0706, 0.4039
CMYK	0.00, 0.00, 0.36, 0.07
HSL	60°, 70%, 76%
HSV	60°, 36%, 93%
XYZ	70.8847, 80.8399, 41.5798
YIQ	227.3100, 27.2850, -26.4350

Conversions

Conversions Part 2

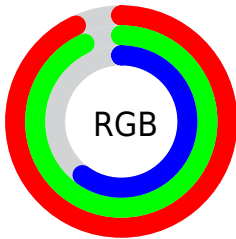
Format	Color
RYB	152, 237, 152
Decimal	15592856
CIELab	92.06, -12.35, 41.21
CIELCh	92, 43.021, 106.683
Yxy	80.8399, 0.3667, 0.4182
Android (android.graphics.Color)	4293782936 (0xFFEDED98)
YUV	227.3100, -37.1278, 8.4981
Hunter-Lab	89.9110, -16.6171, 35.5188

Details

The Yxy color **80.8399, 0.3667, 0.4182** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.2655, 0.2473, 0.2209**, and the grayscale version is **77.3198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **43.6711, 0.3771, 0.4375** is the 20% darker color. If you saturate the color by 10%, you get **80.1377, 0.3806, 0.4412**, and if you desaturate by 10%, it is **81.7046, 0.3518, 0.3936**.

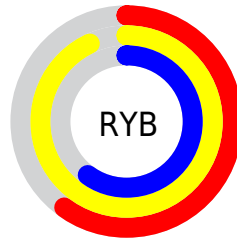
Distribution



Red (93%)

Green (93%)

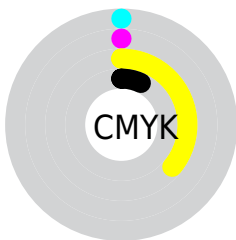
Blue (60%)



Red (60%)

Yellow (93%)

Blue (60%)

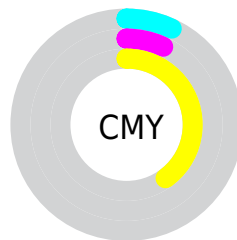


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (7%)



Cyan (7%)


Magenta (7%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8399, 0.3667, 0.4182 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 80.8399, 0.3667, 0.4182 by changing the saturation by 10% instead.

 80.8399, 0.3667,
0.4182


 80.8399, 0.3667,
0.4182


497.7589, 0.3433,
0.3773

 60.4098, 0.3715,
0.4273


 134.5459, 0.3590,
0.4042

 43.7490, 0.3772,
0.4383


 168.5906, 0.3559,
0.3987

 30.4732, 0.3839,
0.4518


207.9423, 0.3531,
0.3939

 20.1981, 0.3917,
0.4689

252.9853, 0.3507,
0.3898

 12.5391, 0.4006,
0.4906

304.1041, 0.3485,
0.3861

 7.1119, 0.4098,
0.5185

361.6830, 0.3466,

 3.5322, 0.4291,

0.3829

0.5709

426.1065, 0.3449,
0.3800

■ 1.4155, 0.4076,
0.5924

■ 0.2281, 0.0000,
1.0000

■ 80.8399, 0.3667,
0.4182

■ 80.8399, 0.3667,
0.4182

■ 80.1377, 0.3806,
0.4412

■ 81.7046, 0.3518,
0.3936

■ 79.5778, 0.3930,
0.4617

■ 82.7293, 0.3365,
0.3684

■ 79.1535, 0.4033,
0.4786

■ 83.9257, 0.3214,
0.3433

■ 78.8532, 0.4110,
0.4915


■ 85.3011, 0.3067,
0.3191


 78.6633, 0.4162,
0.4999

 85.8214, 0.3019,
0.3111

 78.5671, 0.4188,
0.5042

 85.8264, 0.3019,
0.3111

 78.5435, 0.4194,
0.5052

 85.8315, 0.3019,
0.3111

 85.8366, 0.3019,
0.3111

 85.8416, 0.3019,
0.3111

Harmonies

Analogous

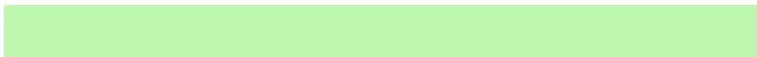
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8399, 0.4018, 0.3968



80.8399, 0.3667, 0.4182



80.8399, 0.3187, 0.4131

Triad

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



80.8399, 0.3667, 0.4182



80.8399, 0.2221, 0.2844



80.8399, 0.3513, 0.2855

Complementary

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



80.8399, 0.3667, 0.4182



35.2655, 0.2473, 0.2209

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.



80.8399, 0.3002, 0.2599



80.8399, 0.3667, 0.4182



80.8399, 0.2290, 0.2570

Square

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



80.8399, 0.3667, 0.4182



80.8399, 0.2368, 0.3290



80.8399, 0.2563, 0.2493



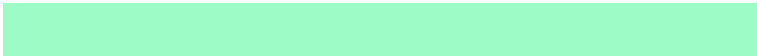
80.8399, 0.3939, 0.3213

Rectangle

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



80.8399, 0.3667, 0.4182



80.8399, 0.2862, 0.3929



80.8399, 0.2563, 0.2493



80.8399, 0.3344, 0.2756

Sweetspot

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



80.8436, 0.3667, 0.4182



98.3167, 0.3292, 0.3562



42.7858, 0.3978, 0.3277



21.0032, 0.3313, 0.3596



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

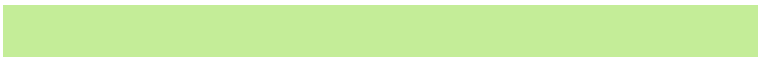
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8436, 0.3667, 0.4182



94.8093, 0.3770, 0.4352



74.5800, 0.3368, 0.4279



17.6260, 0.3268, 0.3523



42.8707, 0.4194, 0.5052



3.3667, 0.4194, 0.5052

Inverse Universe

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



35.2655, 0.2473, 0.2209



33.6419, 0.2316, 0.1949



39.9296, 0.2794, 0.2298



14.5499, 0.2980, 0.3046



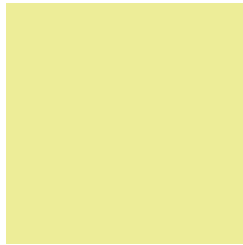
3.3397, 0.1500, 0.0600



0.2626, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 80.8399, 0.3667, 0.4182 looks on a white background.

Color Contrast Check

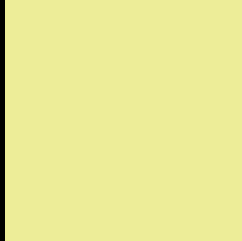
Large Text (above 18pt) WCAG AA × Fail

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 80.8399, 0.3667, 0.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

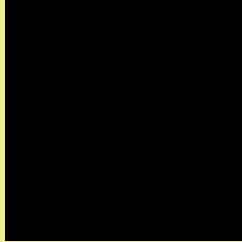
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8399, 0.3667, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 80.8399, 0.3667, 0.4182.

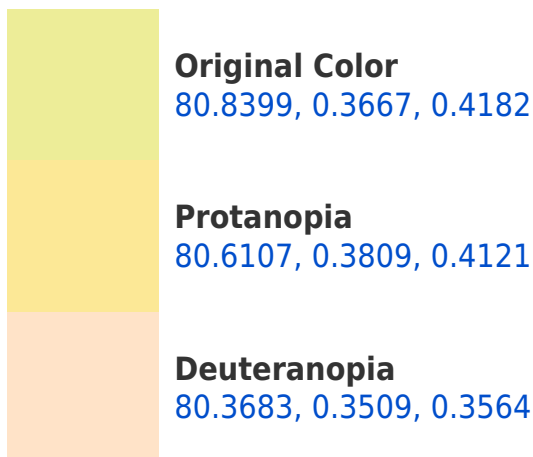


This preview shows how white text looks on a background with the Yxy color 80.8399, 0.3667, 0.4182.

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

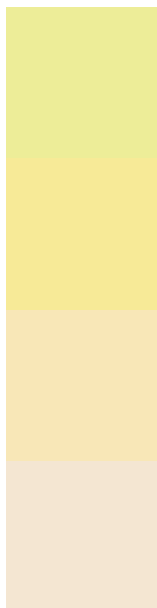




Tritanopia

80.8202, 0.3170, 0.3121

Trichromacy



Original Color

80.8399, 0.3667, 0.4182

Protanomaly

80.8542, 0.3758, 0.4141

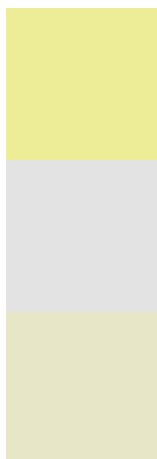
Deuteranomaly

80.5272, 0.3565, 0.3786

Tritanomaly

80.4799, 0.3356, 0.3497

Monochromacy



Original Color

80.8399, 0.3667, 0.4182

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.3109, 0.3328, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8399, 0.3667, 0.4182 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(237, 237, 152)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 152)  
}
```

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(237, 237, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 152) }
```

Border

The CSS property to change the border of an element to Yxy 80.8399, 0.3667, 0.4182 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(237, 237, 152) }
```

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

```
.border{ border-color:rgb(237, 237, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 237, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 152);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8399, 0.3667, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 152) }
```

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

```
.background{ background-color: rgb(237,  
237, 152) }
```

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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