

Converting Colors

$Yxy(80.4181, 0.3504, 0.3975)$

Have a look what the booklet for
Yxy(80.4181, 0.3504, 0.3975)
contains.

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Color

Yxy(80.1253, 0.3508, 0.3974)

Conversions

Conversions Part 1

Format	Color
Hex	E8ECAC
RGB	232, 236, 172
RGB Percent	91%, 93%, 67%
CMY	0.0901, 0.0745, 0.3255
CMYK	0.02, 0.00, 0.27, 0.07
HSL	64°, 63%, 80%
HSV	64°, 27%, 93%
XYZ	70.7296, 80.1253, 50.7689
YIQ	227.5080, 18.1600, -20.7520

Conversions

Conversions Part 2

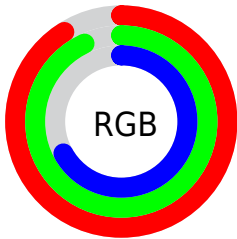
Format	Color
RYB	172, 236, 176
Decimal	15264940
CIELab	91.74, -11.30, 30.67
CIELCh	92, 32.690, 110.231
Yxy	80.1253, 0.3508, 0.3974
Android (android.graphics.Color)	4293455020 (0xFFE8ECAC)
YUV	227.5080, -27.3654, 3.9395
Hunter-Lab	89.5127, -15.6032, 29.0314

Details

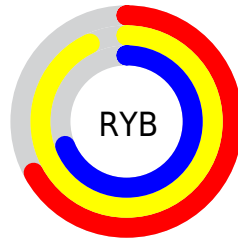
The Yxy color **80.1253, 0.3508, 0.3974** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.7885, 0.2684, 0.2515**, and the grayscale version is **77.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **43.2045, 0.3591, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **79.0578, 0.3645, 0.4225**, and if you desaturate by 10%, it is **81.3630, 0.3367, 0.3718**.

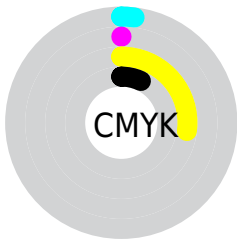
Distribution



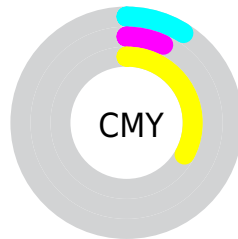
- Red (91%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)





- Cyan (9%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1253, 0.3508, 0.3974 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 80.1253, 0.3508, 0.3974 by changing the saturation by 10% instead.

 80.1253, 0.3508,
0.3974

 80.1253, 0.3508,
0.3974


495.3550, 0.3340,
0.3658

 59.8215, 0.3544,
0.4045


 133.5419, 0.3452,
0.3865

 43.2747, 0.3587,
0.4133


167.4234, 0.3429,
0.3822

 30.1007, 0.3638,
0.4243


206.5997, 0.3410,
0.3785

 19.9151, 0.3702,
0.4384

251.4550, 0.3392,
0.3753

 12.3333, 0.3780,
0.4572

302.3738, 0.3377,
0.3725

 6.9711, 0.3874,
0.4828


359.7404, 0.3364,


 3.4440, 0.4022,


0.3700


0.5252

423.9394, 0.3351,
0.3678


 1.3677, 0.4137,
0.5863


 0.1927, 0.0000,
1.0000


 80.1253, 0.3508,
0.3974


 80.1253, 0.3508,
0.3974


 79.0578, 0.3645,
0.4225

 81.3630, 0.3367,
0.3718


 78.1412, 0.3771,
0.4462


 82.7681, 0.3225,
0.3465

 77.3699, 0.3881,
0.4674

 84.3515, 0.3088,
0.3221


 76.7334, 0.3970,
0.4852


 85.3638, 0.3024,
0.3101


 76.2201, 0.4033,
0.4988


 85.6173, 0.3034,
0.3101

 75.8163, 0.4070,
0.5080

 85.8729, 0.3043,
0.3102

 75.5041, 0.4083,
0.5129

 86.1305, 0.3052,
0.3102

 75.4228, 0.4084,
0.5139

 86.3902, 0.3062,
0.3103

 86.6520, 0.3071,
0.3103

Harmonies

Analogous

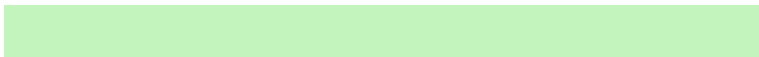
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1253, 0.3788, 0.3846



80.1253, 0.3508, 0.3974



80.1253, 0.3136, 0.3898

Triad

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



80.1253, 0.3508, 0.3974



80.1253, 0.2420, 0.2923



80.1253, 0.3468, 0.2984

Complementary

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



80.1253, 0.3508, 0.3974



44.7885, 0.2684, 0.2515

Split Complementary

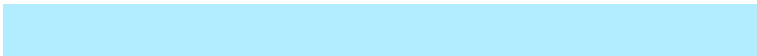
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1253, 0.3081, 0.2768



80.1253, 0.3508, 0.3974



80.1253, 0.2494, 0.2720

Square

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



80.1253, 0.3508, 0.3974



80.1253, 0.2519, 0.3253



80.1253, 0.2729, 0.2671



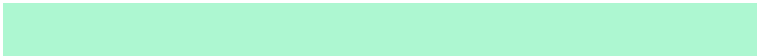
80.1253, 0.3771, 0.3275

Rectangle

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



80.1253, 0.3508, 0.3974



80.1253, 0.2888, 0.3732



80.1253, 0.2729, 0.2671



80.1253, 0.3342, 0.2901

Sweetspot

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



80.1289, 0.3508, 0.3974



98.5165, 0.3238, 0.3488



51.5503, 0.3706, 0.3328



21.0302, 0.3259, 0.3525



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

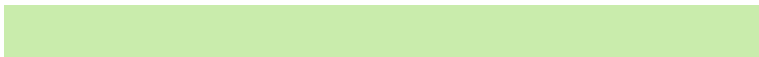
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1289, 0.3508, 0.3974



94.7407, 0.3591, 0.4127



75.3567, 0.3284, 0.4026



17.5768, 0.3258, 0.3523



41.5976, 0.4086, 0.5138



3.2808, 0.4102, 0.5125

Inverse Universe

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



44.7885, 0.2684, 0.2515



45.5257, 0.2567, 0.2314



48.8568, 0.2925, 0.2566



14.5934, 0.2989, 0.3047



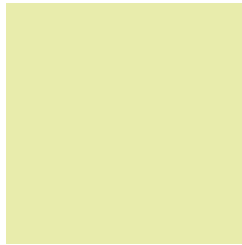
3.4108, 0.1519, 0.0611



0.2835, 0.1572, 0.0640

Previews

White Background



This preview shows how the Yxy color 80.1253, 0.3508, 0.3974 looks on a white background.

Color Contrast Check

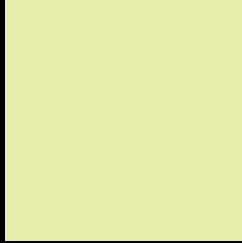
Large Text (above 18pt) WCAG AA × Fail

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 80.1253, 0.3508, 0.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

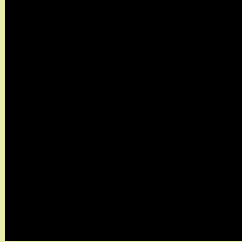
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

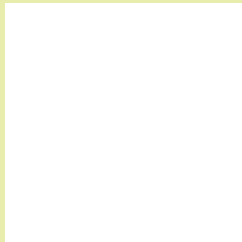
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1253, 0.3508, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 80.1253, 0.3508, 0.3974.

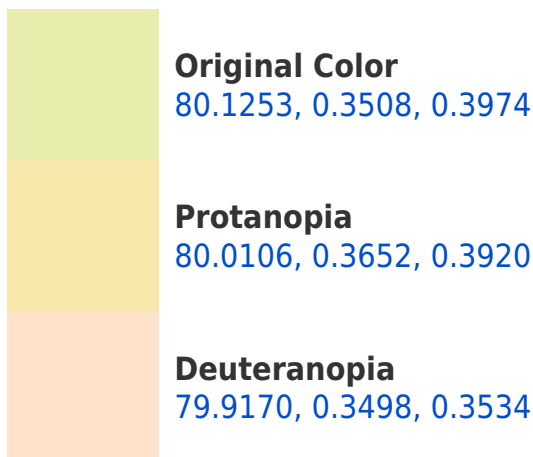


This preview shows how white text looks on a background with the Yxy color 80.1253, 0.3508, 0.3974.

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

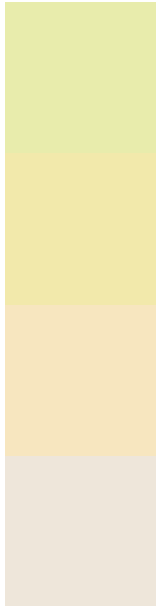




Tritanopia

80.1706, 0.3115, 0.3118

Trichromacy



Original Color

80.1253, 0.3508, 0.3974

Protanomaly

80.0953, 0.3595, 0.3939

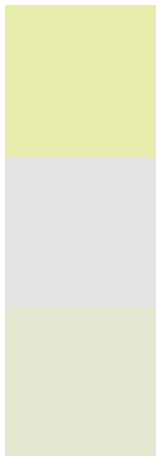
Deuteranomaly

80.1294, 0.3506, 0.3694

Tritanomaly

79.8327, 0.3260, 0.3415

Monochromacy



Original Color

80.1253, 0.3508, 0.3974

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.3639, 0.3261, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1253, 0.3508, 0.3974 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(232, 236, 172)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 172)  
}
```

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(232, 236, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 172) }
```

Border

The CSS property to change the border of an element to Yxy 80.1253, 0.3508, 0.3974 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(232, 236, 172) }
```

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

```
.border{ border-color:rgb(232, 236, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 236, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 172);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1253, 0.3508, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 172) }
```

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

```
.background{ background-color: rgb(232,  
236, 172) }
```

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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