

Converting Colors

$Y_{xy}(80.3870, 0.3646, 0.4075)$

Have a look what the booklet for
Yxy(80.3870, 0.3646, 0.4075)
contains.

Yxy(80.4800, 0.3646, 0.4076)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.4800, 0.3646, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	F0EBA0
RGB	240, 235, 160
RGB Percent	94%, 92%, 63%
CMY	0.0588, 0.0784, 0.3727
CMYK	0.00, 0.02, 0.33, 0.06
HSL	56°, 73%, 78%
HSV	56°, 33%, 94%
XYZ	71.9897, 80.4800, 44.9788
YIQ	227.9450, 27.0550, -22.2650

Conversions

Conversions Part 2

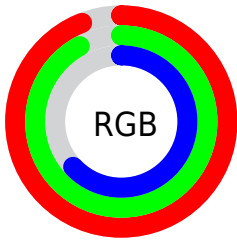
Format	Color
R_{YB}	165, 240, 160
Decimal	15788960
CIE Lab	91.90, -9.31, 37.08
CIE LCh	92, 38.234, 104.099
Yxy	80.4800, 0.3646, 0.4076
Android (android.graphics.Color)	4293979040 (0xFFFF0EBA0)
YUV	227.9450, -33.4969, 10.5722
Hunter-Lab	89.7106, -13.7535, 33.0709

Details

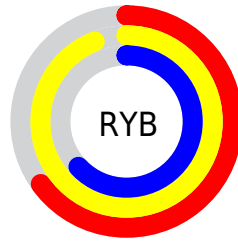
The Yxy color **80.4800, 0.3646, 0.4076** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.6623, 0.2534, 0.2360**, and the grayscale version is **77.7768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **43.3902, 0.3750, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **78.8666, 0.3799, 0.4301**, and if you desaturate by 10%, it is **82.2702, 0.3488, 0.3840**.

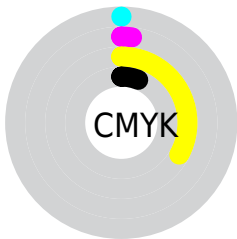
Distribution



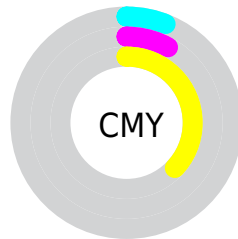
- Red (94%)
- Green (92%)
- Blue (63%)



- Red (65%)
- Yellow (94%)
- Blue (63%)



- Cyan (0%)
- Magenta (2%)
- Yellow (33%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4800, 0.3646, 0.4076 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 80.4800, 0.3646, 0.4076 by changing the saturation by 10% instead.


 80.4800, 0.3646,
0.4076


 80.4800, 0.3646,
0.4076


496.5490, 0.3418,
0.3717

 60.1134, 0.3694,
0.4156

 134.0404, 0.3570,
0.3953

 43.5101, 0.3752,
0.4253


 168.0030, 0.3539,
0.3904

 30.2855, 0.3820,
0.4373


207.2664, 0.3513,
0.3863

 20.0554, 0.3903,
0.4525

252.2149, 0.3489,
0.3826

 12.4353, 0.4003,
0.4721

303.2331, 0.3468,
0.3794

 7.0409, 0.4118,
0.4976

360.7052, 0.3450,

 3.4877, 0.4402,

0.3765

425.0157, 0.3433,
0.3739

0.5523

1.3913, 0.4274,
0.5726

0.2103, 0.0000,
1.0000

80.4800, 0.3646,
0.4076

80.4800, 0.3646,
0.4076

78.8666, 0.3799,
0.4301

82.2702, 0.3488,
0.3840

77.4095, 0.3941,
0.4505


84.2347, 0.3330,
0.3601

76.1021, 0.4066,
0.4678


86.3853, 0.3177,
0.3367


74.9328, 0.4167,
0.4813

88.6671, 0.3037,
0.3152


 73.8881, 0.4242,
0.4903

 89.5604, 0.3037,
0.3167


 72.9517, 0.4289,
0.4949

 90.4611, 0.3037,
0.3182

 72.3729, 0.4309,
0.4961

 91.3691, 0.3037,
0.3197

 92.2846, 0.3037,
0.3211

 93.2075, 0.3036,
0.3226

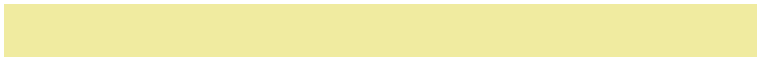
Harmonies

Analogous

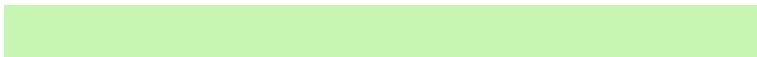
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4800, 0.3941, 0.3878



80.4800, 0.3646, 0.4076



80.4800, 0.3224, 0.4047

Triad

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



80.4800, 0.3646, 0.4076



80.4800, 0.2317, 0.2926



80.4800, 0.3434, 0.2876

Complementary

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



80.4800, 0.3646, 0.4076



40.6623, 0.2534, 0.2360

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.



80.4800, 0.2980, 0.2653



80.4800, 0.3646, 0.4076



80.4800, 0.2362, 0.2661

Square

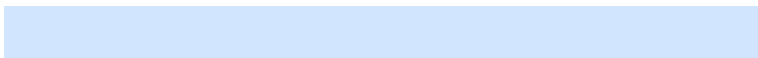
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4800, 0.3646, 0.4076



80.4800, 0.2468, 0.3332



80.4800, 0.2595, 0.2573



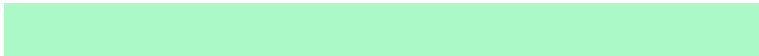
80.4800, 0.3823, 0.3195

Rectangle

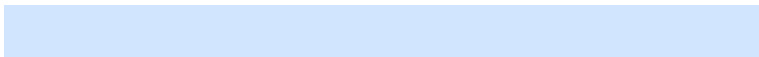
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4800, 0.3646, 0.4076



80.4800, 0.2930, 0.3882



80.4800, 0.2595, 0.2573



80.4800, 0.3283, 0.2788

Sweetspot

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



80.4836, 0.3646, 0.4076



97.4508, 0.3278, 0.3522



46.3837, 0.3856, 0.3233



20.7856, 0.3300, 0.3555



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.



80.4836, 0.3646, 0.4076



91.0732, 0.3751, 0.4230



77.8916, 0.3382, 0.4196



18.2796, 0.3270, 0.3509



39.6864, 0.4307, 0.4962



3.3524, 0.4290, 0.4975

Inverse Universe

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



40.6623, 0.2534, 0.2360



38.9214, 0.2393, 0.2134



42.9761, 0.2790, 0.2364



15.3875, 0.2979, 0.3061



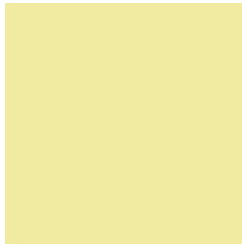
3.6948, 0.1511, 0.0639



0.3627, 0.1539, 0.0740

Previews

White Background



This preview shows how the Yxy color 80.4800, 0.3646, 0.4076 looks on a white background.

Color Contrast Check

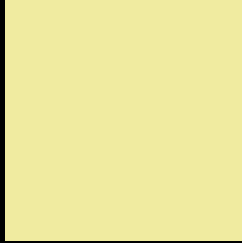
Large Text (above 18pt) WCAG AA × Fail

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 80.4800, 0.3646, 0.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

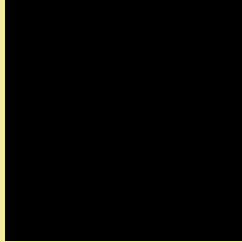
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4800, 0.3646, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 80.4800, 0.3646, 0.4076.



This preview shows how white text looks on a background with the Yxy color 80.4800, 0.3646, 0.4076.

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

80.4800, 0.3646, 0.4076

Protanopia

80.7257, 0.3744, 0.4035

Deuteranopia

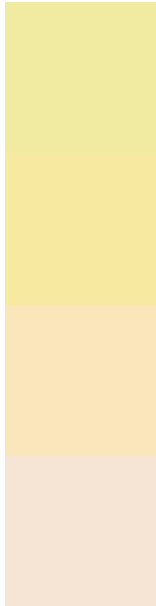
80.4152, 0.3503, 0.3554



Tritanopia

80.5852, 0.3191, 0.3121

Trichromacy



Original Color

80.4800, 0.3646, 0.4076

Protanomaly

80.5552, 0.3711, 0.4053

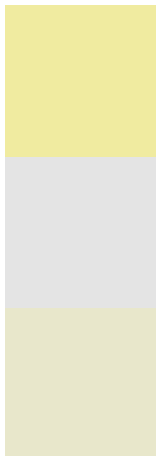
Deuteranomaly

80.4628, 0.3562, 0.3743

Tritanomaly

80.3849, 0.3358, 0.3465

Monochromacy



Original Color

80.4800, 0.3646, 0.4076

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.6194, 0.3315, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4800, 0.3646, 0.4076 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(240, 235, 160)` looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 160)  
}
```

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(240, 235, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 160) }
```

Border

The CSS property to change the border of an element to Yxy 80.4800, 0.3646, 0.4076 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(240, 235, 160) }
```

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

```
.border{ border-color:rgb(240, 235, 160) }
```

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

Here you see how a box with a 4 pixel rgb(240, 235, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 235, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 235, 160);  
box-shadow:4px 4px 4px 4px rgb(240, 235,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4800, 0.3646, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 160) }
```

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

```
.background{ background-color: rgb(240,  
235, 160) }
```

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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