

Converting Colors

$Y_{xy}(80.7532, 0.3908, 0.4228)$

Have a look what the booklet for
Yxy(80.7532, 0.3908, 0.4228)
contains.

Yxy(80.8082, 0.3906, 0.4226)	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(80.8082, 0.3906, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	FFE88A
RGB	255, 232, 138
RGB Percent	100%, 91%, 54%
CMY	0.0000, 0.0902, 0.4587
CMYK	0.00, 0.09, 0.46, 0.00
HSL	48°, 100%, 77%
HSV	48°, 46%, 100%
XYZ	74.6893, 80.8082, 35.7193
YIQ	228.1610, 43.8820, -24.3580

Conversions

Conversions Part 2

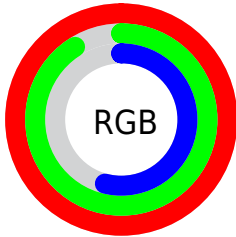
Format	Color
R _Y B	167, 255, 138
Decimal	16771210
CIE Lab	92.05, -4.32, 48.35
CIE LCh	92, 48.543, 95.103
Yxy	80.8082, 0.3906, 0.4226
Android (android.graphics.Color)	4294961290 (0xFFFFE88A)
YUV	228.1610, -44.4494, 23.5378
Hunter-Lab	89.8934, -9.0040, 39.3664

Details

The Yxy color **80.8082, 0.3906, 0.4226** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.1294, 0.2304, 0.2128**, and the grayscale version is **78.0174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **43.8519, 0.4050, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **77.3727, 0.4079, 0.4404**, and if you desaturate by 10%, it is **84.5008, 0.3727, 0.4028**.

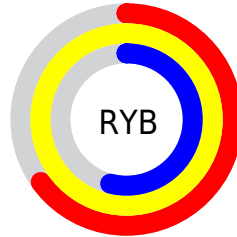
Distribution



Red (100%)

Green (91%)

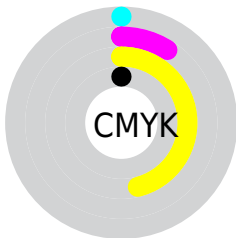
Blue (54%)



Red (65%)

Yellow (100%)

Blue (54%)

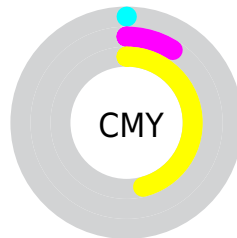


Cyan (0%)

Magenta (9%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8082, 0.3906, 0.4226 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 80.8082, 0.3906, 0.4226 by changing the saturation by 10% instead.


 80.8082, 0.3906,
0.4226


 80.8082, 0.3906,
0.4226

497.6524, 0.3566,
0.3810


 60.3836, 0.3976,
0.4314


 134.5014, 0.3794,
0.4087

 43.7279, 0.4058,
0.4419


 168.5389, 0.3748,
0.4031

 30.4567, 0.4155,
0.4544


 207.8828, 0.3709,
0.3982

 20.1855, 0.4267,
0.4694

252.9175, 0.3673,
0.3939

 12.5299, 0.4395,
0.4872

304.0274, 0.3642,
0.3901

 7.1057, 0.4552,
0.5102

361.5969, 0.3614,

 3.5283, 0.4673,

0.3868

0.5327

426.0104, 0.3589,
0.3837

■ 1.4134, 0.4601,
0.5399

■ 0.2265, 0.3267,
0.6733

■ 80.8082, 0.3906,
0.4226

■ 80.8082, 0.3906,
0.4226

■ 77.3727, 0.4079,
0.4404

■ 84.5008, 0.3727,
0.4028

■ 74.1766, 0.4239,
0.4552

■ 88.4576, 0.3549,
0.3820

■ 71.2069, 0.4378,
0.4660

■ 92.6909, 0.3378,
0.3611

■ 68.4465, 0.4489,
0.4721

■ 97.2108, 0.3217,
0.3406

■ 65.8746, 0.4571,
0.4735

100.0000, 0.3127,
0.3290

■ 64.8544, 0.4598,
0.4731

Harmonies

Analogous

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



80.8082, 0.4213, 0.3897



80.8082, 0.3906, 0.4226



80.8082, 0.3403, 0.4310

Triad

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



80.8082, 0.3906, 0.4226



80.8082, 0.2150, 0.2956



80.8082, 0.3338, 0.2678

Complementary

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



80.8082, 0.3906, 0.4226



38.1294, 0.2304, 0.2128

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.



80.8082, 0.2777, 0.2453



80.8082, 0.3906, 0.4226



80.8082, 0.2136, 0.2572

Square

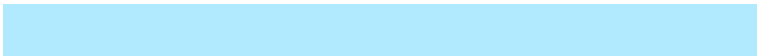
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8082, 0.3906, 0.4226



80.8082, 0.2400, 0.3508



80.8082, 0.2353, 0.2408



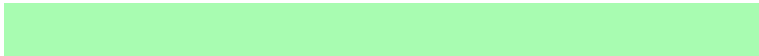
80.8082, 0.3882, 0.3037

Rectangle

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



80.8082, 0.3906, 0.4226



80.8082, 0.3032, 0.4170



80.8082, 0.2353, 0.2408



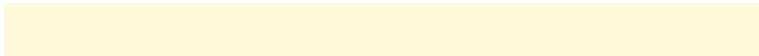
80.8082, 0.3143, 0.2586

Sweetspot

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



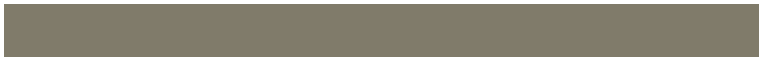
80.8098, 0.3906, 0.4226



93.5128, 0.3347, 0.3572



42.0364, 0.4120, 0.3049



19.8125, 0.3383, 0.3617



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

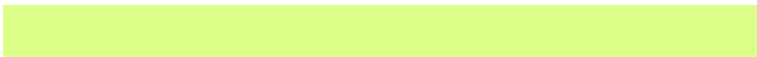
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8098, 0.3906, 0.4226



77.6611, 0.4064, 0.4390



88.5579, 0.3566, 0.4521



20.4480, 0.3274, 0.3480



34.1023, 0.4590, 0.4737



3.4681, 0.4536, 0.4780

Inverse Universe

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



38.1294, 0.2304, 0.2128



30.2918, 0.2126, 0.1850



34.3067, 0.2500, 0.1932



17.9559, 0.2979, 0.3093



5.1338, 0.1552, 0.0788



0.6434, 0.1605, 0.0978

Previews

White Background



This preview shows how the Yxy color 80.8082, 0.3906, 0.4226 looks on a white background.

Color Contrast Check

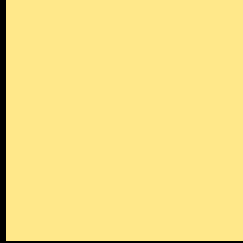
Large Text (above 18pt) WCAG AA × Fail

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 80.8082, 0.3906, 0.4226 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 80.8082, 0.3906, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 80.8082, 0.3906, 0.4226.



This preview shows how white text looks on a background with the Yxy color 80.8082, 0.3906, 0.4226.

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

80.8082, 0.3906, 0.4226

Protanopia

80.6190, 0.3899, 0.4229

Deuteranopia

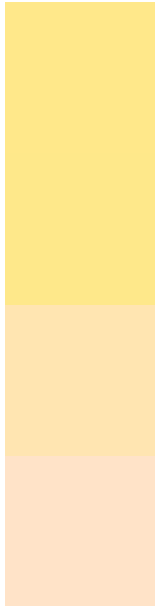
80.8703, 0.3514, 0.3584



Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



Original Color

80.8082, 0.3906, 0.4226

Protanomaly

80.6190, 0.3899, 0.4229

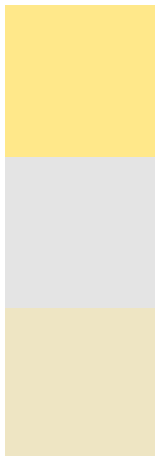
Deuteranomaly

80.4729, 0.3663, 0.3819

Tritanomaly

80.3683, 0.3509, 0.3564

Monochromacy



Original Color

80.8082, 0.3906, 0.4226

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.1559, 0.3415, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8082, 0.3906, 0.4226 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(255, 232, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 138)  
}
```

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(255, 232, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 138) }
```

Border

The CSS property to change the border of an element to Yxy 80.8082, 0.3906, 0.4226 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(255, 232, 138) }
```

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

```
.border{ border-color:rgb(255, 232, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8082, 0.3906, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 138) }
```

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

```
.background{ background-color: rgb(255,  
232, 138) }
```

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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