

Converting Colors

$Y_{xy}(81.7690, 0.3815, 0.4103)$

Have a look what the booklet for
Yxy(81.7690, 0.3815, 0.4103)
contains.

Yxy(81.8048, 0.3815, 0.4104)	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(81.8048, 0.3815, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	FFE998
RGB	255, 233, 152
RGB Percent	100%, 91%, 60%
CMY	0.0000, 0.0862, 0.4040
CMYK	0.00, 0.09, 0.40, 0.00
HSL	47°, 100%, 80%
HSV	47°, 40%, 100%
XYZ	76.0442, 81.8048, 41.4805
YIQ	230.3440, 39.1130, -20.5270

Conversions

Conversions Part 2

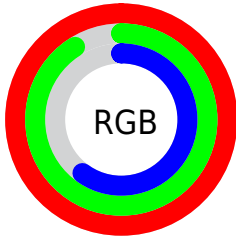
Format	Color
R _Y B	180, 255, 152
Decimal	16771480
CIE Lab	92.49, -3.45, 42.06
CIE LCh	92, 42.205, 94.690
Yxy	81.8048, 0.3815, 0.4104
Android (android.graphics.Color)	4294961560 (0xFFFFE998)
YUV	230.3440, -38.6236, 21.6233
Hunter-Lab	90.4460, -8.2033, 36.1206

Details

The Yxy color **81.8048, 0.3815, 0.4104** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.1552, 0.2415, 0.2312**, and the grayscale version is **79.6697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **44.6312, 0.3952, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **78.0265, 0.3996, 0.4291**, and if you desaturate by 10%, it is **85.8653, 0.3633, 0.3903**.

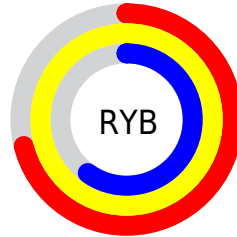
Distribution



Red (100%)

Green (91%)

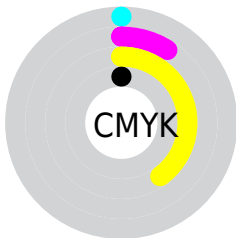
Blue (60%)



Red (71%)

Yellow (100%)

Blue (60%)

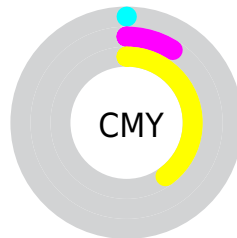


Cyan (0%)

Magenta (9%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8048, 0.3815, 0.4104 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 81.8048, 0.3815, 0.4104 by changing the saturation by 10% instead.

 81.8048, 0.3815,
0.4104


 81.8048, 0.3815,
0.4104


500.9945, 0.3512,
0.3740

 61.2046, 0.3879,
0.4182


 135.9002, 0.3714,
0.3981

 44.3903, 0.3955,
0.4276


 170.1643, 0.3673,
0.3933

 30.9775, 0.4046,
0.4390


209.7518, 0.3638,
0.3890

 20.5817, 0.4155,
0.4529

255.0471, 0.3607,
0.3853

 12.8186, 0.4286,
0.4700

306.4347, 0.3579,
0.3820

 7.3038, 0.4437,
0.4907

364.2988, 0.3554,

 3.6528, 0.4716,

0.3790

0.5284

429.0240, 0.3532,
0.3764

■ 1.4813, 0.4660,
0.5340

■ 0.2755, 0.3920,
0.6080

■ 81.8048, 0.3815,
0.4104

■ 81.8048, 0.3815,
0.4104

■ 78.0265, 0.3996,
0.4291

■ 85.8653, 0.3633,
0.3903

■ 74.5066, 0.4170,
0.4455

■ 90.2081, 0.3456,
0.3697

■ 71.2351, 0.4327,
0.4583

■ 94.8475, 0.3289,
0.3494

■ 68.1962, 0.4460,
0.4668

99.7935, 0.3133,
0.3298

■ 65.3713, 0.4564, 99.9992, 0.3127,
0.4704 0.3290

■ 62.8315, 0.4639,
0.4699

Harmonies

Analogous

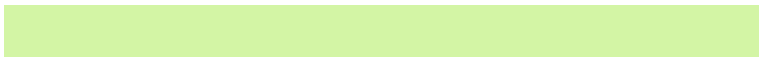
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8048, 0.4073, 0.3826



81.8048, 0.3815, 0.4104



81.8048, 0.3381, 0.4167

Triad

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



81.8048, 0.3815, 0.4104



81.8048, 0.2273, 0.3013



81.8048, 0.3306, 0.2749

Complementary

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



81.8048, 0.3815, 0.4104



44.1552, 0.2415, 0.2312

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.



81.8048, 0.2819, 0.2552



81.8048, 0.3815, 0.4104



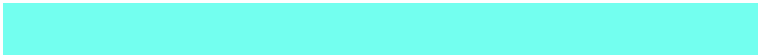
81.8048, 0.2255, 0.2670

Square

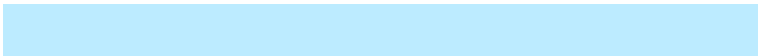
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8048, 0.3815, 0.4104



81.8048, 0.2499, 0.3488



81.8048, 0.2446, 0.2517



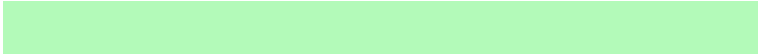
81.8048, 0.3775, 0.3067

Rectangle

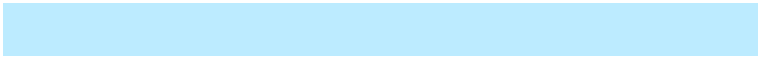
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8048, 0.3815, 0.4104



81.8048, 0.3057, 0.4046



81.8048, 0.2446, 0.2517



81.8048, 0.3138, 0.2667

Sweetspot

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



81.8086, 0.3815, 0.4104



94.0869, 0.3315, 0.3526



46.7789, 0.3931, 0.3058



20.0064, 0.3336, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

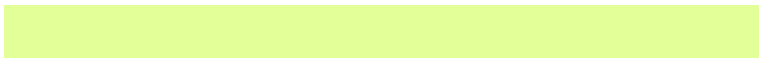
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8086, 0.3815, 0.4104



78.9116, 0.3953, 0.4248



89.9218, 0.3533, 0.4368



20.3938, 0.3274, 0.3476



33.0586, 0.4630, 0.4706



3.3751, 0.4570, 0.4753

Inverse Universe

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



44.1552, 0.2415, 0.2312



36.8760, 0.2267, 0.2089



39.5161, 0.2579, 0.2107



18.0060, 0.2979, 0.3097



5.3461, 0.1560, 0.0816



0.6709, 0.1615, 0.1012

Previews

White Background



This preview shows how the Yxy color 81.8048, 0.3815, 0.4104 looks on a white background.

Color Contrast Check

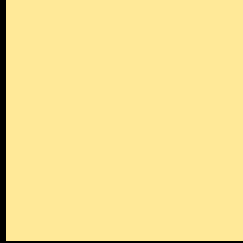
Large Text (above 18pt) WCAG AA × Fail

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 81.8048, 0.3815, 0.4104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

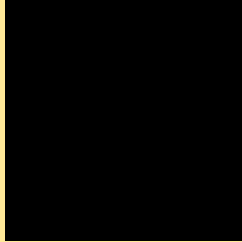
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8048, 0.3815, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 81.8048, 0.3815, 0.4104.



This preview shows how white text looks on a background with the Yxy color 81.8048, 0.3815, 0.4104.

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

81.8048, 0.3815, 0.4104

Protanopia

81.6157, 0.3807, 0.4106

Deuteranopia

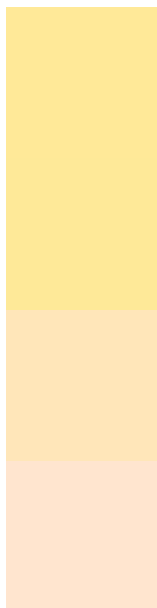
81.6583, 0.3478, 0.3543



Tritanopia

81.8258, 0.3251, 0.3172

Trichromacy



Original Color

81.8048, 0.3815, 0.4104

Protanomaly

81.6157, 0.3807, 0.4106

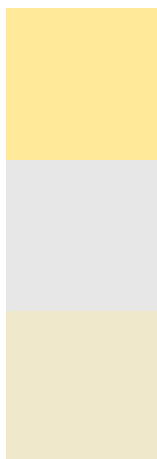
Deuteranomaly

81.3564, 0.3606, 0.3747

Tritanomaly

81.8036, 0.3457, 0.3512

Monochromacy



Original Color

81.8048, 0.3815, 0.4104

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.7668, 0.3372, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8048, 0.3815, 0.4104 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, 233, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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(255, 233, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 152) }
```

Border

The CSS property to change the border of an element to Yxy 81.8048, 0.3815, 0.4104 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, 233, 152) }
```

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

```
.border{ border-color:rgb(255, 233, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8048, 0.3815, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 152) }
```

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

```
.background{ background-color: rgb(255,  
233, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor