

Converting Colors

$Y_{xy}(81.0094, 0.3651, 0.3812)$

Have a look what the booklet for
Yxy(81.0094, 0.3651, 0.3812)
contains.

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Color

Yxy(81.0680, 0.3654, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6B2
RGB	255, 230, 178
RGB Percent	100%, 90%, 70%
CMY	0.0000, 0.0981, 0.3020
CMYK	0.00, 0.10, 0.30, 0.00
HSL	41°, 100%, 85%
HSV	41°, 30%, 100%
XYZ	77.5858, 81.0680, 53.6773
YIQ	231.5470, 31.5920, -10.8720

Conversions

Conversions Part 2

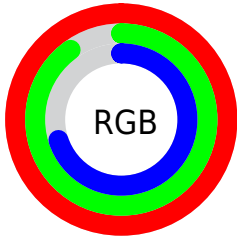
Format	Color
R _Y B	215, 255, 178
Decimal	16770738
CIE Lab	92.16, 1.07, 28.49
CIE LCh	92, 28.512, 87.844
Yxy	81.0680, 0.3654, 0.3818
Android (android.graphics.Color)	4294960818 (0xFFFFE6B2)
YUV	231.5470, -26.3987, 20.5683
Hunter-Lab	90.0378, -3.7522, 27.6799

Details

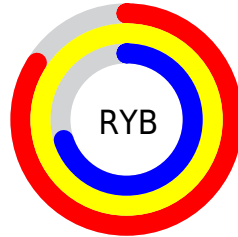
The Yxy color **81.0680, 0.3654, 0.3818** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.4020, 0.2623, 0.2698**, and the grayscale version is **80.5176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **44.0109, 0.3764, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **75.6308, 0.3856, 0.3995**, and if you desaturate by 10%, it is **86.9037, 0.3464, 0.3638**.

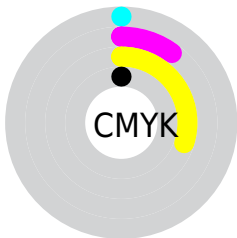
Distribution



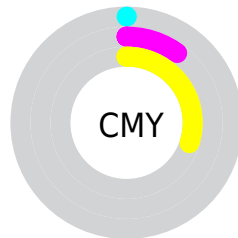
- Red (100%)
- Green (90%)
- Blue (70%)



- Red (84%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (10%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0680, 0.3654, 0.3818 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 81.0680, 0.3654, 0.3818 by changing the saturation by 10% instead.


 81.0680, 0.3654,
0.3818

 81.0680, 0.3654,
0.3818


498.5248, 0.3416,
0.3581

 60.5976, 0.3706,
0.3870


 134.8662, 0.3573,
0.3737

 43.9005, 0.3770,
0.3933


168.9629, 0.3541,
0.3706

 30.5923, 0.3848,
0.4010


208.3704, 0.3513,
0.3678

 20.2886, 0.3947,
0.4108

253.4732, 0.3489,
0.3654

 12.6050, 0.4076,
0.4233

304.6556, 0.3468,
0.3632

 7.1571, 0.4245,
0.4398

362.3021, 0.3449,

 3.5606, 0.4487,

0.3613

0.4630

426.7970, 0.3432,
0.3596

■ 1.4309, 0.4939,
0.5061

■ 0.2393, 0.5145,
0.4855

■ 81.0680, 0.3654,
0.3818

■ 81.0680, 0.3654,
0.3818

■ 75.6308, 0.3856,
0.3995

■ 86.9037, 0.3464,
0.3638

■ 70.5949, 0.4066,
0.4162

■ 93.1670, 0.3289,
0.3462

■ 65.9402, 0.4276,
0.4306

99.8645, 0.3130,
0.3293

■ 61.6507, 0.4476,
0.4417

100.0000, 0.3127,
0.3290

■ 57.7082, 0.4657,
0.4484

■ 54.0918, 0.4808,
0.4500

■ 50.8314, 0.4927,
0.4470

Harmonies

Analogous

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



81.0680, 0.3785, 0.3617



81.0680, 0.3654, 0.3818



81.0680, 0.3383, 0.3883

Triad

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



81.0680, 0.3654, 0.3818



81.0680, 0.2559, 0.3181



81.0680, 0.3175, 0.2871

Complementary

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



81.0680, 0.3654, 0.3818



59.4020, 0.2623, 0.2698

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.



81.0680, 0.2852, 0.2757



81.0680, 0.3654, 0.3818



81.0680, 0.2510, 0.2916

Square

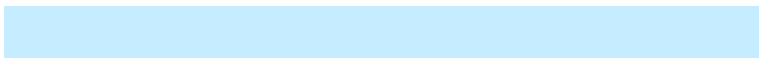
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0680, 0.3654, 0.3818



81.0680, 0.2754, 0.3500



81.0680, 0.2613, 0.2769



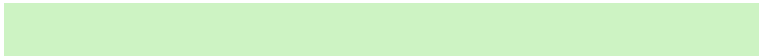
81.0680, 0.3501, 0.3083

Rectangle

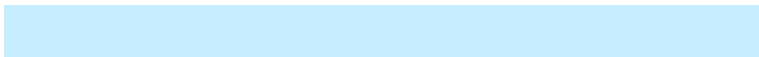
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0680, 0.3654, 0.3818



81.0680, 0.3164, 0.3826



81.0680, 0.2613, 0.2769



81.0680, 0.3062, 0.2821

Sweetspot

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



81.0625, 0.3654, 0.3818



93.9448, 0.3269, 0.3441



57.4448, 0.3582, 0.3025



19.9057, 0.3293, 0.3466



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

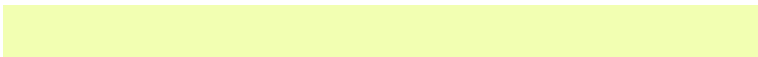
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0625, 0.3654, 0.3818



77.8608, 0.3770, 0.3922



93.6412, 0.3498, 0.4070



20.0377, 0.3277, 0.3450



26.8438, 0.4912, 0.4482



2.8125, 0.4809, 0.4564

Inverse Universe

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



59.4020, 0.2623, 0.2698



53.1752, 0.2518, 0.2562



50.1160, 0.2678, 0.2422



18.3411, 0.2979, 0.3125



7.2308, 0.1626, 0.1054



0.8929, 0.1688, 0.1276

Previews

White Background



This preview shows how the Yxy color 81.0680, 0.3654, 0.3818 looks on a white background.

Color Contrast Check

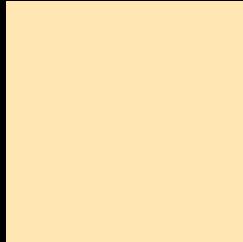
Large Text (above 18pt) WCAG AA × Fail

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 81.0680, 0.3654, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

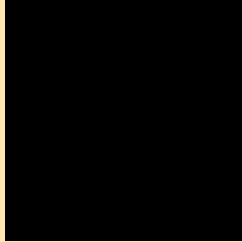
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0680, 0.3654, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 81.0680, 0.3654, 0.3818.



This preview shows how white text looks on a background with the Yxy color 81.0680, 0.3654, 0.3818.

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

81.0680, 0.3654, 0.3818

Protanopia

80.9244, 0.3589, 0.3837

Deuteranopia

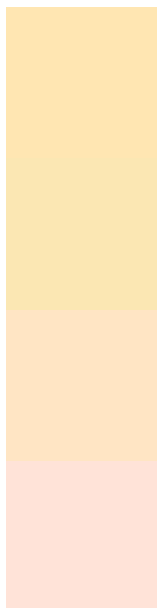
81.2030, 0.3466, 0.3513



Tritanopia

81.2249, 0.3259, 0.3172

Trichromacy



Original Color

81.0680, 0.3654, 0.3818

Protanomaly

80.9157, 0.3614, 0.3823

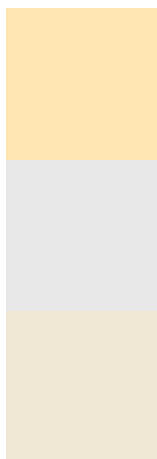
Deuteranomaly

81.2841, 0.3533, 0.3625

Tritanomaly

81.1560, 0.3399, 0.3401

Monochromacy



Original Color

81.0680, 0.3654, 0.3818

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4306, 0.3313, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0680, 0.3654, 0.3818 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, 230, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 178)  
}
```

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, 230, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 178) }
```

Border

The CSS property to change the border of an element to Yxy 81.0680, 0.3654, 0.3818 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, 230, 178) }
```

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

```
.border{ border-color:rgb(255, 230, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0680, 0.3654, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 178) }
```

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

```
.background{ background-color: rgb(255,  
230, 178) }
```

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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