

Converting Colors

$Y_{xy}(81.4110, 0.3682, 0.3874)$

Have a look what the booklet for
Yxy(81.4110, 0.3682, 0.3874)
contains.

Yxy(81.4290, 0.3684, 0.3878)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.4290, 0.3684, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7AD
RGB	255, 231, 173
RGB Percent	100%, 91%, 68%
CMY	0.0001, 0.0941, 0.3214
CMYK	0.00, 0.09, 0.32, 0.00
HSL	42°, 100%, 84%
HSV	42°, 32%, 100%
XYZ	77.3555, 81.4290, 51.1923
YIQ	231.5640, 32.9220, -12.9500

Conversions

Conversions Part 2

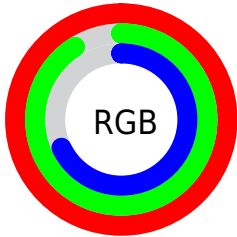
Format	Color
R _Y B	207, 255, 173
Decimal	16770989
CIE Lab	92.32, -0.08, 31.25
CIE LCh	92, 31.245, 90.149
Yxy	81.4290, 0.3684, 0.3878
Android (android.graphics.Color)	4294961069 (0xFFFFE7AD)
YUV	231.5640, -28.8721, 20.5534
Hunter-Lab	90.2380, -4.8996, 29.5312

Details

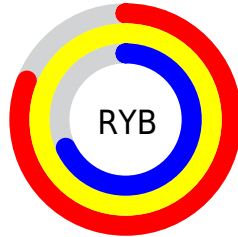
The Yxy color **81.4290, 0.3684, 0.3878** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.0405, 0.2585, 0.2621**, and the grayscale version is **80.5570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **44.2771, 0.3802, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **76.4512, 0.3882, 0.4061**, and if you desaturate by 10%, it is **86.7805, 0.3496, 0.3690**.

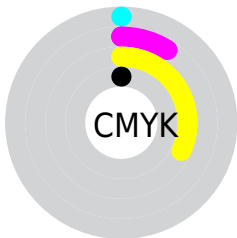
Distribution



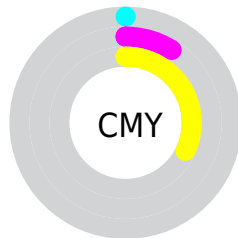
- Red (100%)
- Green (91%)
- Blue (68%)



- Red (81%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (9%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4290, 0.3684, 0.3878 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 81.4290, 0.3684, 0.3878 by changing the saturation by 10% instead.

 81.4290, 0.3684,
0.3878

 81.4290, 0.3684,
0.3878

499.7357, 0.3434,
0.3614

 60.8950, 0.3739,
0.3936


 135.3730, 0.3599,
0.3788

 44.1404, 0.3805,
0.4005


169.5517, 0.3566,
0.3753

 30.7809, 0.3886,
0.4091


209.0475, 0.3536,
0.3722

 20.4321, 0.3988,
0.4199

254.2447, 0.3511,
0.3695

 12.7095, 0.4118,
0.4336

305.5277, 0.3488,
0.3671

 7.2288, 0.4286,
0.4514

363.2810, 0.3468,

 3.6056, 0.4542,

0.3650

0.4786

427.8888, 0.3450,
0.3631

■ 1.4555, 0.4868,
0.5132

■ 0.2571, 0.4853,
0.5147

■ 81.4290, 0.3684,
0.3878

■ 81.4290, 0.3684,
0.3878

■ 76.4512, 0.3882,
0.4061

■ 86.7805, 0.3496,
0.3690

■ 71.8231, 0.4083,
0.4230

■ 92.5066, 0.3320,
0.3505

■ 67.5342, 0.4281,
0.4375

■ 98.6222, 0.3160,
0.3327

■ 63.5690, 0.4465,
0.4484

99.9959, 0.3127,
0.3290

■ 59.9100, 0.4626,
0.4547

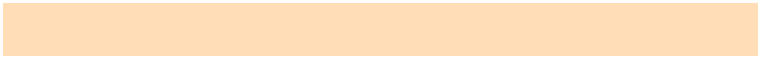
■ 56.5363, 0.4757,
0.4560

■ 54.0608, 0.4839,
0.4539

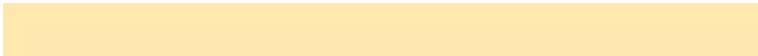
Harmonies

Analogous

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



81.4290, 0.3843, 0.3664



81.4290, 0.3684, 0.3878



81.4290, 0.3378, 0.3938

Triad

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



81.4290, 0.3684, 0.3878



81.4290, 0.2498, 0.3143



81.4290, 0.3207, 0.2849

Complementary

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



81.4290, 0.3684, 0.3878



56.0405, 0.2585, 0.2621

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.



81.4290, 0.2850, 0.2715



81.4290, 0.3684, 0.3878



81.4290, 0.2458, 0.2862

Square

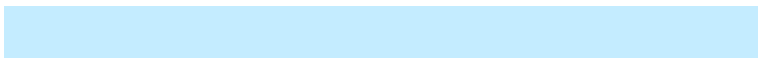
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4290, 0.3684, 0.3878



81.4290, 0.2698, 0.3494



81.4290, 0.2582, 0.2715



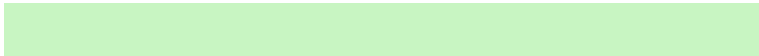
81.4290, 0.3561, 0.3085

Rectangle

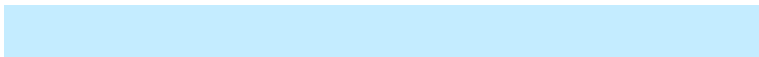
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4290, 0.3684, 0.3878



81.4290, 0.3137, 0.3867



81.4290, 0.2582, 0.2715



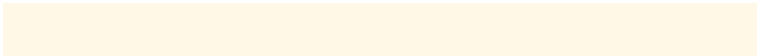
81.4290, 0.3083, 0.2791

Sweetspot

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



81.4327, 0.3684, 0.3878



93.7984, 0.3285, 0.3466



55.2163, 0.3646, 0.3035



19.8969, 0.3308, 0.3492



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

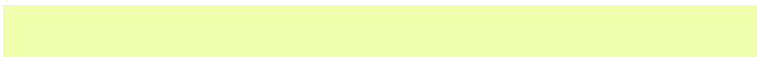
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4327, 0.3684, 0.3878



77.9902, 0.3819, 0.4005



92.8043, 0.3502, 0.4127



20.1405, 0.3276, 0.3457



28.5241, 0.4826, 0.4550



2.9664, 0.4737, 0.4621

Inverse Universe

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



56.0405, 0.2585, 0.2621



48.7896, 0.2457, 0.2450



47.9925, 0.2663, 0.2363



18.2433, 0.2979, 0.3117



6.5949, 0.1605, 0.0976



0.8212, 0.1665, 0.1194

Previews

White Background



This preview shows how the Yxy color 81.4290, 0.3684, 0.3878 looks on a white background.

Color Contrast Check

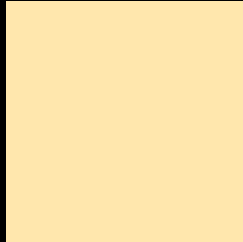
Large Text (above 18pt) WCAG AA × Fail

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 81.4290, 0.3684, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

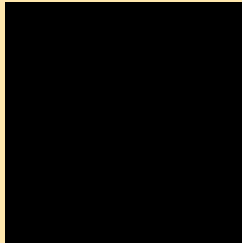
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4290, 0.3684, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 81.4290, 0.3684, 0.3878.



This preview shows how white text looks on a background with the Yxy color 81.4290, 0.3684, 0.3878.

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

81.4290, 0.3684, 0.3878

Protanopia

81.6578, 0.3635, 0.3895

Deuteranopia

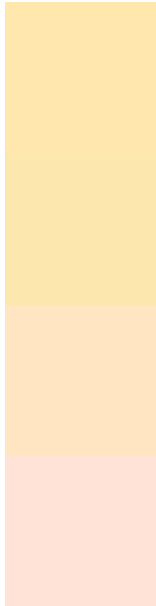
81.2030, 0.3466, 0.3513



Tritanopia

81.2835, 0.3252, 0.3162

Trichromacy



Original Color

81.4290, 0.3684, 0.3878

Protanomaly

81.4647, 0.3652, 0.3882

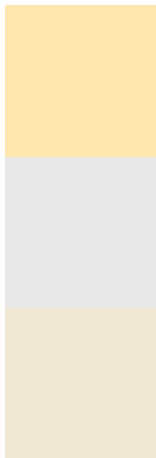
Deuteranomaly

81.1937, 0.3547, 0.3645

Tritanomaly

81.0532, 0.3413, 0.3421

Monochromacy



Original Color

81.4290, 0.3684, 0.3878

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.9416, 0.3318, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4290, 0.3684, 0.3878 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, 231, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 173)  
}
```

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, 231, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 173) }
```

Border

The CSS property to change the border of an element to Yxy 81.4290, 0.3684, 0.3878 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, 231, 173) }
```

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

```
.border{ border-color:rgb(255, 231, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4290, 0.3684, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 173) }
```

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

```
.background{ background-color: rgb(255,  
231, 173) }
```

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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