

Converting Colors

$Y_{xy}(85.1972, 0.3804, 0.3835)$

Have a look what the booklet for
Yxy(85.1972, 0.3804, 0.3835)
contains.

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Color

Yxy(81.5070, 0.3671, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7AF
RGB	255, 231, 175
RGB Percent	100%, 91%, 69%
CMY	0.0000, 0.0941, 0.3137
CMYK	0.00, 0.09, 0.31, 0.00
HSL	42°, 100%, 84%
HSV	42°, 31%, 100%
XYZ	77.5563, 81.5070, 52.2042
YIQ	231.7920, 32.2800, -12.3280

Conversions

Conversions Part 2

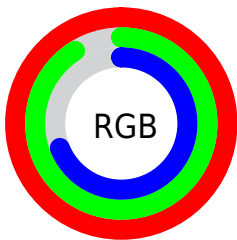
Format	Color
R _Y B	209, 255, 175
Decimal	16770991
CIE Lab	92.36, 0.17, 30.29
CIE LCh	92, 30.288, 89.672
Yxy	81.5070, 0.3671, 0.3858
Android (android.graphics.Color)	4294961071 (0xFFFFE7AF)
YUV	231.7920, -27.9985, 20.3534
Hunter-Lab	90.2812, -4.6513, 28.9130

Details

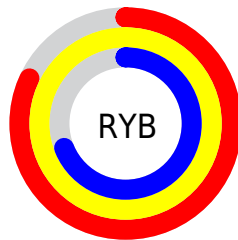
The Yxy color **81.5070, 0.3671, 0.3858** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.1826, 0.2599, 0.2647**, and the grayscale version is **80.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **44.3261, 0.3785, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **76.4109, 0.3870, 0.4040**, and if you desaturate by 10%, it is **86.9838, 0.3482, 0.3672**.

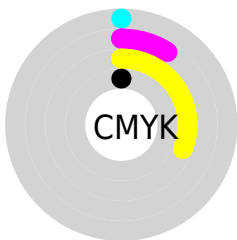
Distribution



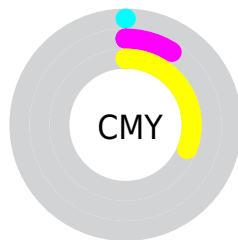
- Red (100%)
- Green (91%)
- Blue (69%)



- Red (82%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5070, 0.3671, 0.3858 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 81.5070, 0.3671, 0.3858 by changing the saturation by 10% instead.


 81.5070, 0.3671,
0.3858

 81.5070, 0.3671,
0.3858


499.9971, 0.3427,
0.3603

 60.9592, 0.3725,
0.3914


 135.4824, 0.3588,
0.3771

 44.1923, 0.3789,
0.3981


169.6789, 0.3555,
0.3737

 30.8217, 0.3869,
0.4064


209.1937, 0.3527,
0.3707

 20.4631, 0.3969,
0.4169

254.4113, 0.3502,
0.3681

 12.7321, 0.4098,
0.4302

305.7161, 0.3480,
0.3658

 7.2444, 0.4265,
0.4476

363.4923, 0.3460,

 3.6154, 0.4512,

0.3638

0.4732

428.1246, 0.3442,
0.3620

■ 1.4608, 0.4884,
0.5116

■ 0.2609, 0.4915,
0.5085

■ 81.5070, 0.3671,
0.3858

■ 81.5070, 0.3671,
0.3858

■ 76.4109, 0.3870,
0.4040

■ 86.9838, 0.3482,
0.3672

■ 71.6759, 0.4073,
0.4209

■ 92.8470, 0.3308,
0.3489

■ 67.2901, 0.4274,
0.4355

■ 99.1101, 0.3148,
0.3313

■ 63.2378, 0.4462,
0.4466

■ 100.0000, 0.3127,
0.3290

■ 59.5016, 0.4629,
0.4532

■ 56.0606, 0.4765,
0.4547

■ 53.3023, 0.4859,
0.4524

Harmonies

Analogous

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



81.5070, 0.3821, 0.3650



81.5070, 0.3671, 0.3858



81.5070, 0.3377, 0.3918

Triad

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



81.5070, 0.3671, 0.3858



81.5070, 0.2519, 0.3153



81.5070, 0.3200, 0.2859

Complementary

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



81.5070, 0.3671, 0.3858



57.1826, 0.2599, 0.2647

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.



81.5070, 0.2854, 0.2731



81.5070, 0.3671, 0.3858



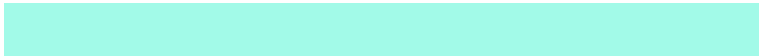
81.5070, 0.2477, 0.2879

Square

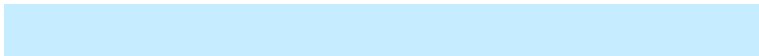
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5070, 0.3671, 0.3858



81.5070, 0.2715, 0.3493



81.5070, 0.2595, 0.2734



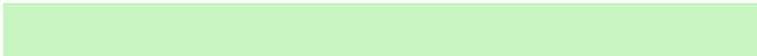
81.5070, 0.3543, 0.3087

Rectangle

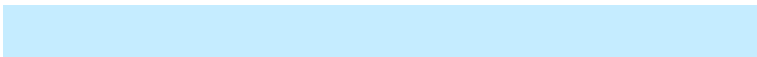
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5070, 0.3671, 0.3858



81.5070, 0.3143, 0.3850



81.5070, 0.2595, 0.2734



81.5070, 0.3079, 0.2803

Sweetspot

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



81.5092, 0.3671, 0.3858



94.2949, 0.3268, 0.3447



56.0460, 0.3630, 0.3042



19.9922, 0.3292, 0.3473



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.



81.5092, 0.3671, 0.3858



78.0878, 0.3802, 0.3980



92.9663, 0.3494, 0.4106



20.1166, 0.3277, 0.3456



28.1256, 0.4846, 0.4534



2.9300, 0.4753, 0.4608

Inverse Universe

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



57.1826, 0.2599, 0.2647



50.1112, 0.2477, 0.2484



48.9593, 0.2677, 0.2388



18.2659, 0.2979, 0.3119



6.7357, 0.1609, 0.0993



0.8373, 0.1670, 0.1213

Previews

White Background



This preview shows how the Yxy color 81.5070, 0.3671, 0.3858 looks on a white background.

Color Contrast Check

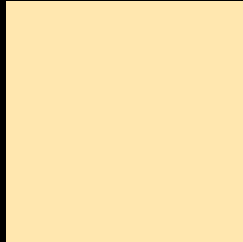
Large Text (above 18pt) WCAG AA × Fail

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 81.5070, 0.3671, 0.3858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

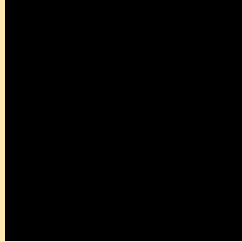
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5070, 0.3671, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 81.5070, 0.3671, 0.3858.

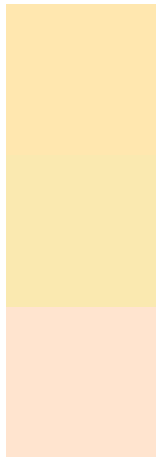


This preview shows how white text looks on a background with the Yxy color 81.5070, 0.3671, 0.3858.

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

81.5070, 0.3671, 0.3858

Protanopia

81.7364, 0.3622, 0.3874

Deuteranopia

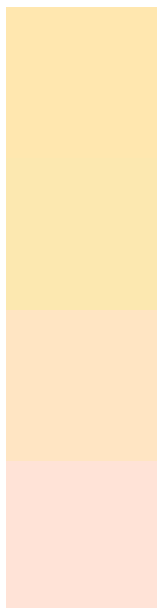
81.2518, 0.3459, 0.3502



Tritanopia

81.2835, 0.3252, 0.3162

Trichromacy



Original Color

81.5070, 0.3671, 0.3858

Protanomaly

81.5433, 0.3639, 0.3862

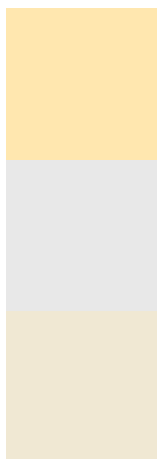
Deuteranomaly

81.2388, 0.3540, 0.3635

Tritanomaly

81.1045, 0.3406, 0.3411

Monochromacy



Original Color

81.5070, 0.3671, 0.3858

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 81.5070, 0.3671, 0.3858 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 175) }
```

Border

The CSS property to change the border of an element to Yxy 81.5070, 0.3671, 0.3858 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, 175) }
```

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

```
.border{ border-color:rgb(255, 231, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5070, 0.3671, 0.3858 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
231, 175) }
```

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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