

Converting Colors

$Y_{xy}(100.0000, 0.4166, 0.3655)$

Have a look what the booklet for
Yxy(100.0000, 0.4166, 0.3655)
contains.

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Color

Yxy(81.9570, 0.3597, 0.3746)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFE7BA |
| RGB | 255, 231, 186 |
| RGB Percent | 100%, 91%, 73% |
| CMY | 0.0000, 0.0942, 0.2705 |
| CMYK | 0.00, 0.09, 0.27, 0.00 |
| HSL | 39°, 100%, 86% |
| HSV | 39°, 27%, 100% |
| XYZ | 78.6971, 81.9570, 58.1313 |
| YIQ | 233.0460, 28.7490, -8.9070 |

Conversions

Conversions Part 2

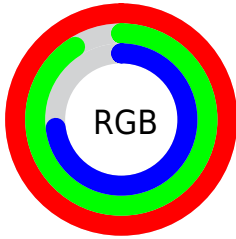
| Format | Color |
|-------------------------------------|---|
| RYB | 223, 255, 186 |
| Decimal | 16771002 |
| CIELab | 92.56, 1.60, 24.92 |
| CIElCh | 93, 24.968, 86.337 |
| Yxy | 81.9570, 0.3597, 0.3746 |
| Android (android.graphics.Color) | 4294961082 (0xFFFFE7BA) |
| YUV | 233.0460, -23.1937, 19.2537 |
| Hunter-Lab | 90.5301, -3.2591, 25.2997 |

Details

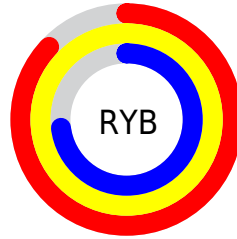
The Yxy color **81.9570, 0.3597, 0.3746** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.7674, 0.2682, 0.2787**, and the grayscale version is **81.6763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **44.7499, 0.3700, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **76.1155, 0.3799, 0.3920**, and if you desaturate by 10%, it is **88.2272, 0.3409, 0.3572**.

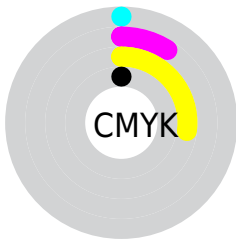
Distribution



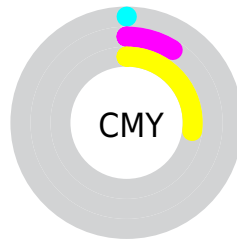
- Red (100%)
- Green (91%)
- Blue (73%)



- Red (87%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (9%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9570, 0.3597, 0.3746 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 81.9570, 0.3597, 0.3746 by changing the saturation by 10% instead.


 81.9570, 0.3597,
0.3746

 81.9570, 0.3597,
0.3746


501.5038, 0.3385,
0.3541

 61.3301, 0.3644,
0.3791


 136.1137, 0.3525,
0.3676

 44.4916, 0.3701,
0.3845


170.4123, 0.3496,
0.3649

 31.0572, 0.3772,
0.3913


210.0369, 0.3471,
0.3625

 20.6424, 0.3862,
0.3998

255.3719, 0.3450,
0.3604

 12.8629, 0.3980,
0.4109

306.8017, 0.3431,
0.3586

 7.3342, 0.4138,
0.4256

364.7107, 0.3414,

 3.6720, 0.4358,

0.3569

0.4456

429.4833, 0.3398,
0.3555

■ 1.4918, 0.4970,
0.5030

■ 0.2830, 0.5211,
0.4789

■ 81.9570, 0.3597,
0.3746

■ 81.9570, 0.3597,
0.3746

■ 76.1155, 0.3799,
0.3920

■ 88.2272, 0.3409,
0.3572

■ 70.7139, 0.4013,
0.4085

■ 94.9646, 0.3238,
0.3404

■ 65.7290, 0.4232,
0.4233

100.0000, 0.3127,
0.3290

■ 61.1442, 0.4446,
0.4352

■ 56.9415, 0.4644,
0.4429

■ 53.1002, 0.4816,
0.4457

■ 49.5948, 0.4954,
0.4432

■ 48.6162, 0.4991,
0.4419

Harmonies

Analogous

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



81.9570, 0.3702, 0.3569



81.9570, 0.3597, 0.3746



81.9570, 0.3366, 0.3806

Triad

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



81.9570, 0.3597, 0.3746



81.9570, 0.2635, 0.3211



81.9570, 0.3156, 0.2914

Complementary

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



81.9570, 0.3597, 0.3746



63.7674, 0.2682, 0.2787

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.



81.9570, 0.2874, 0.2819



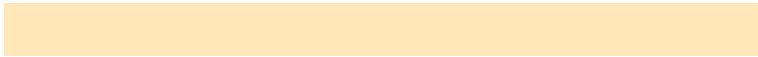
81.9570, 0.3597, 0.3746



81.9570, 0.2584, 0.2975

Square

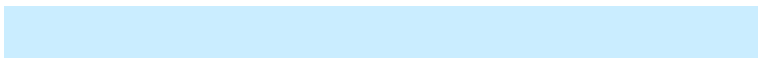
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9570, 0.3597, 0.3746



81.9570, 0.2813, 0.3487



81.9570, 0.2669, 0.2837



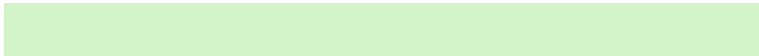
81.9570, 0.3441, 0.3098

Rectangle

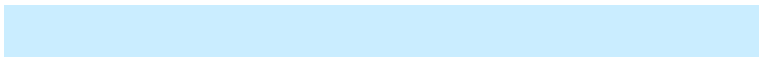
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9570, 0.3597, 0.3746



81.9570, 0.3176, 0.3760



81.9570, 0.2669, 0.2837



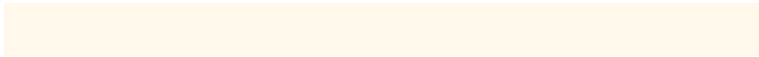
81.9570, 0.3057, 0.2871

Sweetspot

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



81.9486, 0.3597, 0.3746



94.3074, 0.3253, 0.3420



61.0437, 0.3511, 0.3042



19.9638, 0.3278, 0.3445



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.



81.9486, 0.3597, 0.3746



79.0088, 0.3695, 0.3832



94.4156, 0.3468, 0.3985



19.9638, 0.3278, 0.3445



25.6933, 0.4975, 0.4432



2.7063, 0.4862, 0.4521

Inverse Universe

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



63.7674, 0.2682, 0.2787



58.3001, 0.2594, 0.2679



54.1268, 0.2725, 0.2523



18.4119, 0.2979, 0.3131



7.7368, 0.1643, 0.1114



0.9485, 0.1705, 0.1338

Previews

White Background



This preview shows how the Yxy color 81.9570, 0.3597, 0.3746 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 81.9570, 0.3597, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

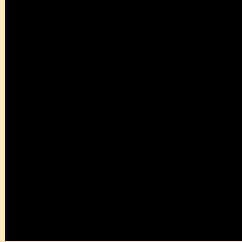
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.9570, 0.3597, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 81.9570, 0.3597, 0.3746.



This preview shows how white text looks on a background with the Yxy color 81.9570, 0.3597, 0.3746.

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

81.9570, 0.3597, 0.3746

Protanopia

81.8221, 0.3534, 0.3764

Deuteranopia

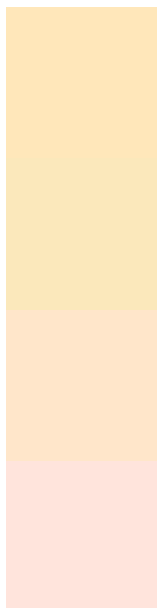
82.0018, 0.3430, 0.3472



Tritanopia

81.8847, 0.3245, 0.3162

Trichromacy



Original Color

81.9570, 0.3597, 0.3746

Protanomaly

81.8103, 0.3558, 0.3750

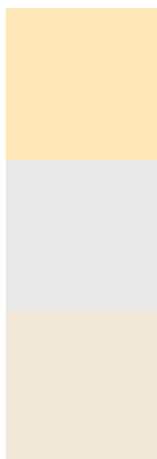
Deuteranomaly

82.1179, 0.3490, 0.3573

Tritanomaly

81.9141, 0.3370, 0.3371

Monochromacy



Original Color

81.9570, 0.3597, 0.3746

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3719, 0.3292, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9570, 0.3597, 0.3746 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 186) }
```

Border

The CSS property to change the border of an element to Yxy 81.9570, 0.3597, 0.3746 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, 186) }
```

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

```
.border{ border-color:rgb(255, 231, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9570, 0.3597, 0.3746 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, 186) }
```

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

```
.background{ background-color: rgb(255,  
231, 186) }
```

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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