

Converting Colors

$Y_{xy}(100.0000, 0.4082, 0.3530)$

Have a look what the booklet for
Yxy(100.0000, 0.4082, 0.3530)
contains.

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Color

Yxy(81.4688, 0.3505, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5C8
RGB	255, 229, 200
RGB Percent	100%, 90%, 78%
CMY	0.0002, 0.1019, 0.2157
CMYK	0.00, 0.10, 0.22, 0.00
HSL	32°, 100%, 89%
HSV	32°, 22%, 100%
XYZ	79.6730, 81.4688, 66.1707
YIQ	233.4680, 24.8050, -3.5070

Conversions

Conversions Part 2

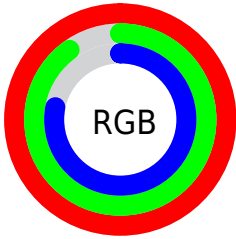
Format	Color
R _{YB}	249, 255, 200
Decimal	16770504
CIE Lab	92.34, 4.46, 17.39
CIE LCh	92, 17.948, 75.615
Yxy	81.4688, 0.3505, 0.3584
Android (android.graphics.Color)	4294960584 (0xFFFFE5C8)
YUV	233.4680, -16.4997, 18.8836
Hunter-Lab	90.2601, -0.3922, 19.7159

Details

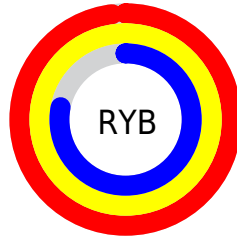
The Yxy color **81.4688, 0.3505, 0.3584** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.8573, 0.2783, 0.2977**, and the grayscale version is **81.9684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3532, 0.3592, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **73.9472, 0.3717, 0.3728**, and if you desaturate by 10%, it is **89.6581, 0.3317, 0.3444**.

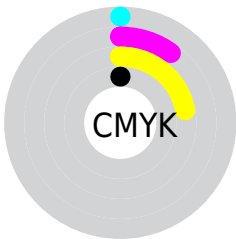
Distribution



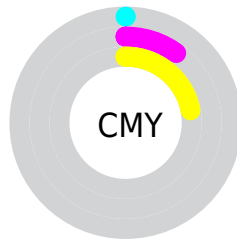
- Red (100%)
- Green (90%)
- Blue (78%)



- Red (98%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (10%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4688, 0.3505, 0.3584 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 81.4688, 0.3505, 0.3584 by changing the saturation by 10% instead.


 81.4688, 0.3505,
0.3584

 81.4688, 0.3505,
0.3584


499.8691, 0.3333,
0.3452

 60.9278, 0.3543,
0.3613


135.4288, 0.3446,
0.3539

 44.1669, 0.3591,
0.3648


169.6166, 0.3423,
0.3522

 30.8017, 0.3650,
0.3692


209.1221, 0.3403,
0.3506

 20.4479, 0.3726,
0.3747

254.3297, 0.3385,
0.3493

 12.7211, 0.3827,
0.3820

305.6238, 0.3370,
0.3481

 7.2367, 0.3968,
0.3918

363.3888, 0.3356,

 3.6106, 0.4176,

0.3470

0.4056

428.0091, 0.3344,
0.3461

■ 1.4582, 0.4715,
0.4455

■ 0.2590, 0.5782,
0.4218

■ 81.4688, 0.3505,
0.3584

■ 81.4688, 0.3505,
0.3584

■ 73.9472, 0.3717,
0.3728

■ 89.6581, 0.3317,
0.3444

■ 67.0632, 0.3951,
0.3870

■ 98.5224, 0.3151,
0.3310

■ 60.8002, 0.4204,
0.4001

■ 99.9919, 0.3127,
0.3290

■ 55.1365, 0.4469,
0.4111

■ 50.0488, 0.4733,
0.4187

■ 45.5111, 0.4982,
0.4217

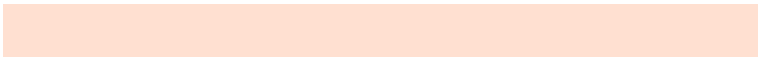
■ 41.4944, 0.5199,
0.4192

■ 38.4756, 0.5352,
0.4132

Harmonies

Analogous

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



81.4688, 0.3538, 0.3438



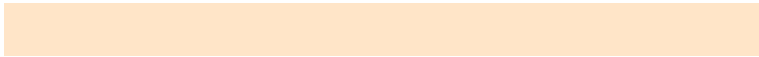
81.4688, 0.3505, 0.3584



81.4688, 0.3369, 0.3656

Triad

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



81.4688, 0.3505, 0.3584



81.4688, 0.2807, 0.3307



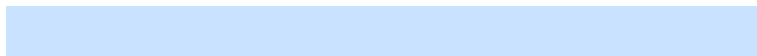
81.4688, 0.3073, 0.2981

Complementary

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



81.4688, 0.3505, 0.3584



73.8573, 0.2783, 0.2977

Split Complementary

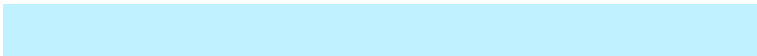
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4688, 0.2883, 0.2941



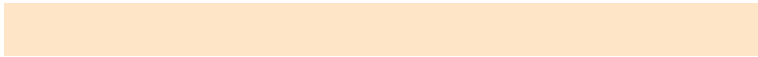
81.4688, 0.3505, 0.3584



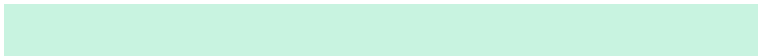
81.4688, 0.2733, 0.3120

Square

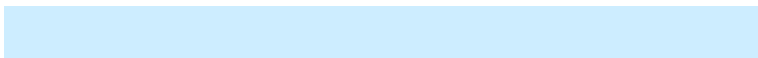
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4688, 0.3505, 0.3584



81.4688, 0.2965, 0.3495



81.4688, 0.2760, 0.2989



81.4688, 0.3284, 0.3097

Rectangle

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



81.4688, 0.3505, 0.3584



81.4688, 0.3240, 0.3648



81.4688, 0.2760, 0.2989



81.4688, 0.3005, 0.2958

Sweetspot

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



81.4725, 0.3505, 0.3584



94.5324, 0.3222, 0.3368



68.0843, 0.3360, 0.3022



20.1096, 0.3233, 0.3377



0.0000, 0.0000, 0.0000



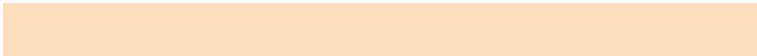
21.4041, 0.3127, 0.3290

Same Dimension

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



81.4725, 0.3505, 0.3584



78.0759, 0.3596, 0.3648



96.7417, 0.3447, 0.3831



19.5749, 0.3281, 0.3416



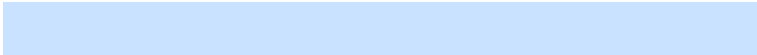
20.4135, 0.5328, 0.4151



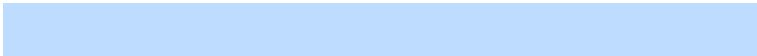
2.2065, 0.5163, 0.4282

Inverse Universe

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



73.8573, 0.2783, 0.2977



69.1824, 0.2709, 0.2903



60.9340, 0.2768, 0.2688



18.7916, 0.2979, 0.3161



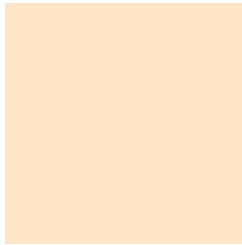
11.1295, 0.1745, 0.1481



1.3003, 0.1804, 0.1694

Previews

White Background



This preview shows how the Yxy color 81.4688, 0.3505, 0.3584 looks on a white background.

Color Contrast Check

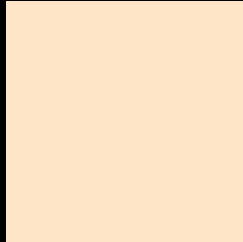
Large Text (above 18pt) WCAG AA × Fail

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 81.4688, 0.3505, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

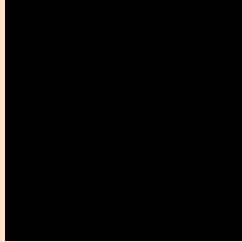
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4688, 0.3505, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 81.4688, 0.3505, 0.3584.

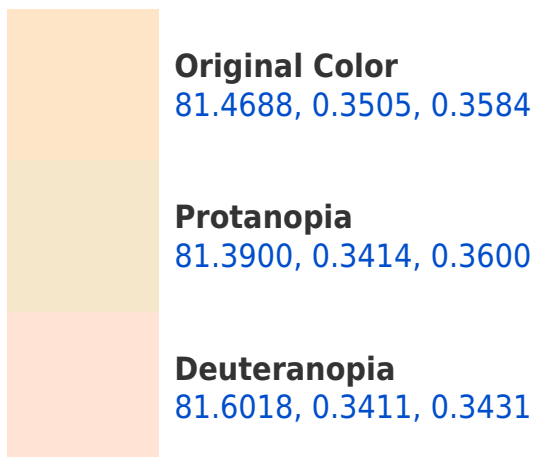


This preview shows how white text looks on a background with the Yxy color 81.4688, 0.3505, 0.3584.

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

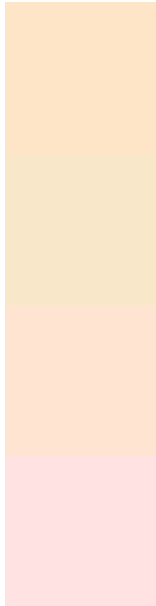




Tritanopia

81.3424, 0.3245, 0.3152

Trichromacy



Original Color

81.4688, 0.3505, 0.3584

Protanomaly

81.5086, 0.3451, 0.3598

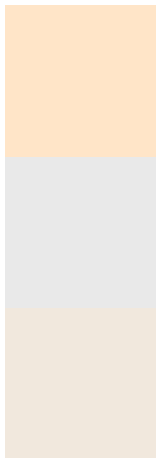
Deuteranomaly

81.3503, 0.3445, 0.3482

Tritanomaly

81.0890, 0.3339, 0.3301

Monochromacy



Original Color

81.4688, 0.3505, 0.3584

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6345, 0.3260, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4688, 0.3505, 0.3584 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, 229, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 200)  
}
```

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, 229, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 200) }
```

Border

The CSS property to change the border of an element to Yxy 81.4688, 0.3505, 0.3584 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, 229, 200) }
```

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

```
.border{ border-color:rgb(255, 229, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4688, 0.3505, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 200) }
```

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

```
.background{ background-color: rgb(255,  
229, 200) }
```

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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