

Converting Colors

$Y_{xy}(84.8130, 0.3703, 0.3995)$

Have a look what the booklet for
Yxy(84.8130, 0.3703, 0.3995)
contains.

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Color

Yxy(84.6184, 0.3705, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDA7
RGB	255, 237, 167
RGB Percent	100%, 93%, 65%
CMY	0.0000, 0.0705, 0.3451
CMYK	0.00, 0.07, 0.35, 0.00
HSL	48°, 100%, 83%
HSV	48°, 35%, 100%
XYZ	78.4955, 84.6184, 48.7499
YIQ	234.4020, 33.1980, -17.9540

Conversions

Conversions Part 2

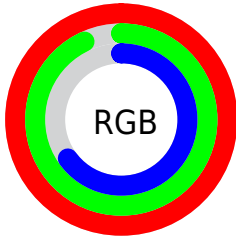
Format	Color
RYB	190, 255, 167
Decimal	16772519
CIELab	93.72, -3.82, 36.17
CIELCh	94, 36.367, 96.025
Yxy	84.6184, 0.3705, 0.3994
Android (android.graphics.Color)	4294962599 (0xFFFFEDA7)
YUV	234.4020, -33.2292, 18.0644
Hunter-Lab	91.9883, -8.6616, 32.9706

Details

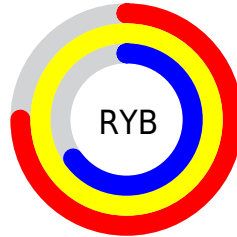
The Yxy color **84.6184, 0.3705, 0.3994** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.1194, 0.2528, 0.2469**, and the grayscale version is **82.8388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **46.1330, 0.3826, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **80.7971, 0.3886, 0.4192**, and if you desaturate by 10%, it is **88.7211, 0.3527, 0.3787**.

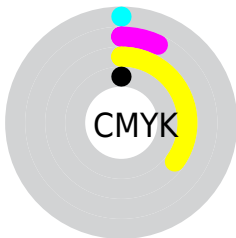
Distribution



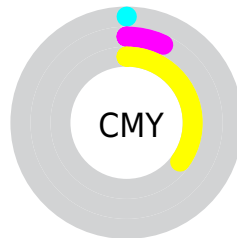
- Red (100%)
- Green (93%)
- Blue (65%)



- Red (75%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6184, 0.3705, 0.3994 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 84.6184, 0.3705, 0.3994 by changing the saturation by 10% instead.


 84.6184, 0.3705,
0.3994


 84.6184, 0.3705,
0.3994

510.3645, 0.3450,
0.3679

 63.5261, 0.3759,
0.4063


 139.8399, 0.3619,
0.3887

 46.2670, 0.3824,
0.4145


 174.7379, 0.3585,
0.3845

 32.4565, 0.3903,
0.4247


215.0066, 0.3556,
0.3808

 21.7105, 0.4000,
0.4373

261.0304, 0.3529,
0.3776

 13.6443, 0.4120,
0.4533

313.1937, 0.3506,
0.3747

 7.8737, 0.4266,
0.4737

371.8809, 0.3485,

 4.0142, 0.4508,

0.3722

0.5074

437.4764, 0.3467,
0.3699

■ 1.6815, 0.4647,
0.5353

■ 0.4117, 0.4200,
0.5800

■ 84.6184, 0.3705,
0.3994

■ 84.6184, 0.3705,
0.3994

■ 80.7971, 0.3886,
0.4192

■ 88.7211, 0.3527,
0.3787

■ 77.2337, 0.4062,
0.4373

■ 93.1042, 0.3356,
0.3580

■ 73.9194, 0.4227,
0.4524

■ 97.7819, 0.3196,
0.3378

■ 70.8396, 0.4372,
0.4637

99.9980, 0.3127,
0.3290

■ 67.9777, 0.4490,
0.4703

■ 65.3134, 0.4578,
0.4722

■ 63.9193, 0.4617,
0.4716

Harmonies

Analogous

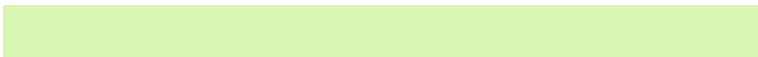
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6184, 0.3930, 0.3770



84.6184, 0.3705, 0.3994



84.6184, 0.3332, 0.4027

Triad

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



84.6184, 0.3705, 0.3994



84.6184, 0.2386, 0.3044



84.6184, 0.3301, 0.2833

Complementary

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



84.6184, 0.3705, 0.3994



50.1194, 0.2528, 0.2469

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.



84.6184, 0.2883, 0.2656



84.6184, 0.3705, 0.3994



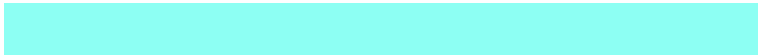
84.6184, 0.2378, 0.2752

Square

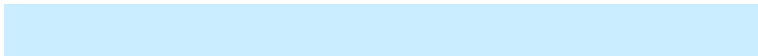
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6184, 0.3705, 0.3994



84.6184, 0.2577, 0.3443



84.6184, 0.2553, 0.2622



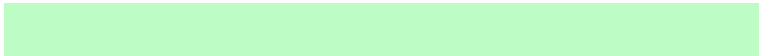
84.6184, 0.3694, 0.3115

Rectangle

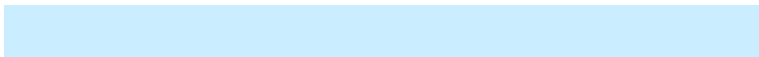
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6184, 0.3705, 0.3994



84.6184, 0.3054, 0.3915



84.6184, 0.2553, 0.2622



84.6184, 0.3158, 0.2760

Sweetspot

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



84.6223, 0.3705, 0.3994



95.1860, 0.3282, 0.3488



52.4400, 0.3769, 0.3092



20.2341, 0.3305, 0.3516



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.



84.6223, 0.3705, 0.3994



82.1171, 0.3822, 0.4124



91.1353, 0.3479, 0.4206



20.4232, 0.3274, 0.3478



33.6225, 0.4608, 0.4723



3.4253, 0.4552, 0.4768

Inverse Universe

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



50.1194, 0.2528, 0.2469



43.1798, 0.2402, 0.2283



46.0503, 0.2675, 0.2299



17.9787, 0.2979, 0.3095



5.2285, 0.1556, 0.0801



0.6558, 0.1609, 0.0993

Previews

White Background



This preview shows how the Yxy color 84.6184, 0.3705, 0.3994 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 84.6184, 0.3705, 0.3994 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 84.6184, 0.3705, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 84.6184, 0.3705, 0.3994.

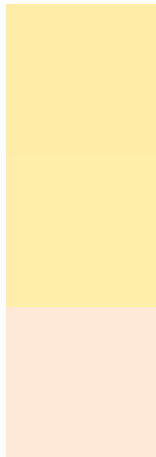


This preview shows how white text looks on a background with the Yxy color 84.6184, 0.3705, 0.3994.

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

84.6184, 0.3705, 0.3994

Protanopia

84.7307, 0.3686, 0.3964

Deuteranopia

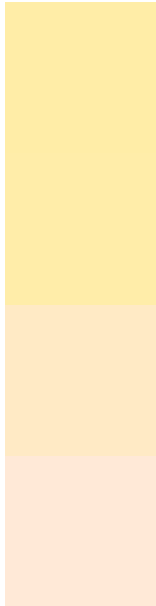
84.3929, 0.3403, 0.3481



Tritanopia

84.8226, 0.3221, 0.3183

Trichromacy



Original Color

84.6184, 0.3705, 0.3994

Protanomaly

84.6929, 0.3692, 0.3974

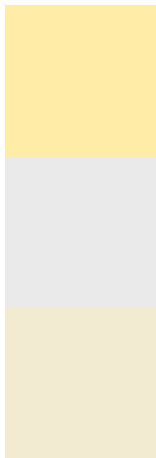
Deuteranomaly

84.1369, 0.3515, 0.3663

Tritanomaly

84.4441, 0.3397, 0.3470

Monochromacy



Original Color

84.6184, 0.3705, 0.3994

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.9471, 0.3335, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6184, 0.3705, 0.3994 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, 237, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 167)  
}
```

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, 237, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 167) }
```

Border

The CSS property to change the border of an element to Yxy 84.6184, 0.3705, 0.3994 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, 237, 167) }
```

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

```
.border{ border-color:rgb(255, 237, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6184, 0.3705, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 167) }
```

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

```
.background{ background-color: rgb(255,  
237, 167) }
```

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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