

Converting Colors

$Y_{xy}(89.8782, 0.3804, 0.3749)$

Have a look what the booklet for
Yxy(89.8782, 0.3804, 0.3749)
contains.

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Color

Yxy(83.6084, 0.3596, 0.3785)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAB9
RGB	255, 234, 185
RGB Percent	100%, 92%, 73%
CMY	0.0000, 0.0824, 0.2745
CMYK	0.00, 0.08, 0.27, 0.00
HSL	42°, 100%, 86%
HSV	42°, 27%, 100%
XYZ	79.4335, 83.6084, 57.8522
YIQ	234.6930, 28.2450, -10.7870

Conversions

Conversions Part 2

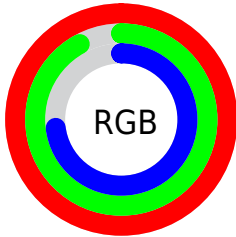
Format	Color
R _Y B	215, 255, 185
Decimal	16771769
CIE Lab	93.28, -0.07, 26.43
CIE LCh	93, 26.426, 90.145
Yxy	83.6084, 0.3596, 0.3785
Android (android.graphics.Color)	4294961849 (0xFFFFEAB9)
YUV	234.6930, -24.4986, 17.8092
Hunter-Lab	91.4376, -4.9497, 26.4938

Details

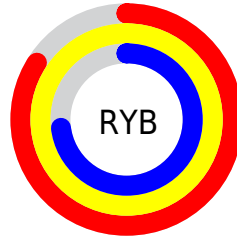
The Yxy color **83.6084, 0.3596, 0.3785** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.6850, 0.2671, 0.2740**, and the grayscale version is **83.0005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **45.5125, 0.3700, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **78.3561, 0.3791, 0.3969**, and if you desaturate by 10%, it is **89.2309, 0.3412, 0.3600**.

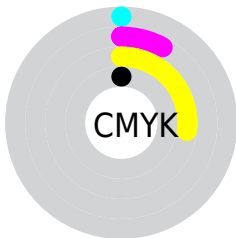
Distribution



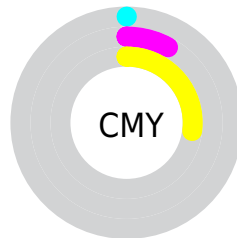
- Red (100%)
- Green (92%)
- Blue (73%)



- Red (84%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (8%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6084, 0.3596, 0.3785 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 83.6084, 0.3596, 0.3785 by changing the saturation by 10% instead.


 83.6084, 0.3596,
0.3785

 83.6084, 0.3596,
0.3785

507.0119, 0.3386,
0.3563

 62.6922, 0.3642,
0.3834


 138.4273, 0.3524,
0.3709

 45.5922, 0.3698,
0.3893


173.0987, 0.3496,
0.3680

 31.9242, 0.3767,
0.3966


213.1239, 0.3472,
0.3654

 21.3036, 0.3855,
0.4058

258.8875, 0.3450,
0.3631

 13.3461, 0.3968,
0.4178

310.7736, 0.3431,
0.3611

 7.6673, 0.4118,
0.4337

369.1668, 0.3414,

 3.8828, 0.4323,

0.3593

0.4553

434.4515, 0.3399,
0.3577

■ 1.6082, 0.4869,
0.5131

■ 0.3631, 0.4861,
0.5139

■ 83.6084, 0.3596,
0.3785

■ 83.6084, 0.3596,
0.3785

■ 78.3561, 0.3791,
0.3969

■ 89.2309, 0.3412,
0.3600

■ 73.4782, 0.3993,
0.4145

■ 95.2524, 0.3243,
0.3419

■ 68.9553, 0.4196,
0.4301

100.0000, 0.3127,
0.3290

■ 64.7726, 0.4391,
0.4427

■ 60.9133, 0.4567,
0.4511

■ 57.3580, 0.4716,
0.4547

■ 54.0823, 0.4833,
0.4531

■ 53.2829, 0.4860,
0.4523

Harmonies

Analogous

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



83.6084, 0.3727, 0.3610



83.6084, 0.3596, 0.3785



83.6084, 0.3341, 0.3830

Triad

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



83.6084, 0.3596, 0.3785



83.6084, 0.2596, 0.3170



83.6084, 0.3196, 0.2916

Complementary

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



83.6084, 0.3596, 0.3785



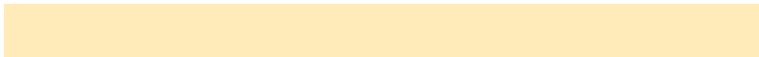
61.6850, 0.2671, 0.2740

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.



83.6084, 0.2895, 0.2803



83.6084, 0.3596, 0.3785



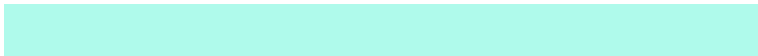
83.6084, 0.2561, 0.2933

Square

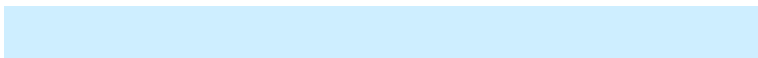
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6084, 0.3596, 0.3785



83.6084, 0.2766, 0.3461



83.6084, 0.2667, 0.2805



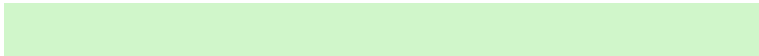
83.6084, 0.3491, 0.3118

Rectangle

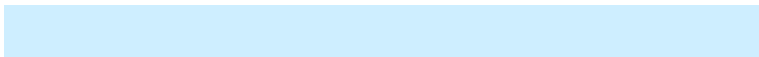
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6084, 0.3596, 0.3785



83.6084, 0.3139, 0.3768



83.6084, 0.2667, 0.2805



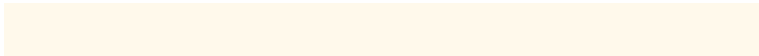
83.6084, 0.3092, 0.2867

Sweetspot

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



83.6028, 0.3596, 0.3785



94.9101, 0.3252, 0.3429



60.4734, 0.3538, 0.3062



20.1160, 0.3277, 0.3456



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.



83.6028, 0.3596, 0.3785



80.6440, 0.3703, 0.3888



93.9299, 0.3457, 0.3999



20.1160, 0.3277, 0.3456



28.1155, 0.4846, 0.4534



2.9291, 0.4754, 0.4608

Inverse Universe

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



61.6850, 0.2671, 0.2740



55.3903, 0.2570, 0.2608



53.9038, 0.2734, 0.2513



18.2665, 0.2979, 0.3119



6.7393, 0.1610, 0.0994



0.8377, 0.1670, 0.1213

Previews

White Background



This preview shows how the Yxy color 83.6084, 0.3596, 0.3785 looks on a white background.

Color Contrast Check

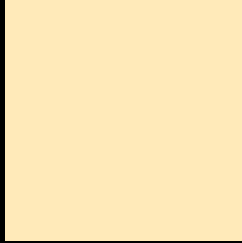
Large Text (above 18pt) WCAG AA × Fail

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 83.6084, 0.3596, 0.3785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

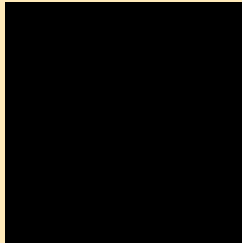
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6084, 0.3596, 0.3785

Background



This preview shows how black text looks on a background with the Yxy color 83.6084, 0.3596, 0.3785.



This preview shows how white text looks on a background with the Yxy color 83.6084, 0.3596, 0.3785.

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

83.6084, 0.3596, 0.3785

Protanopia

83.4711, 0.3557, 0.3790

Deuteranopia

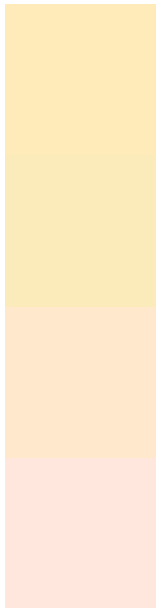
83.3181, 0.3400, 0.3451



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.6084, 0.3596, 0.3785

Protanomaly

83.6573, 0.3565, 0.3788

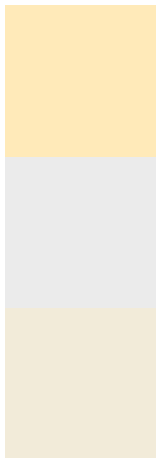
Deuteranomaly

83.3329, 0.3472, 0.3572

Tritanomaly

83.6323, 0.3359, 0.3390

Monochromacy



Original Color

83.6084, 0.3596, 0.3785

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3037, 0.3289, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6084, 0.3596, 0.3785 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, 234, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 185)  
}
```

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, 234, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 185) }
```

Border

The CSS property to change the border of an element to Yxy 83.6084, 0.3596, 0.3785 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, 234, 185) }
```

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

```
.border{ border-color:rgb(255, 234, 185) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6084, 0.3596, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 185) }
```

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

```
.background{ background-color: rgb(255,  
234, 185) }
```

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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