

Converting Colors

$Y_{xy}(100.0000, 0.4136, 0.3720)$

Have a look what the booklet for
Yxy(100.0000, 0.4136, 0.3720)
contains.

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Color

Yxy(83.4830, 0.3616, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAB6
RGB	255, 234, 182
RGB Percent	100%, 92%, 71%
CMY	0.0000, 0.0823, 0.2864
CMYK	0.00, 0.08, 0.29, 0.00
HSL	43°, 100%, 86%
HSV	43°, 29%, 100%
XYZ	79.1076, 83.4830, 56.1804
YIQ	234.3510, 29.2080, -11.7200

Conversions

Conversions Part 2

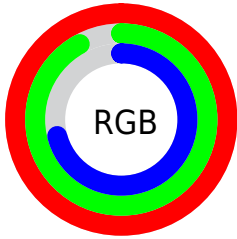
Format	Color
R _Y B	211, 255, 182
Decimal	16771766
CIE Lab	93.23, -0.48, 27.91
CIE LCh	93, 27.911, 90.977
Yxy	83.4830, 0.3616, 0.3816
Android (android.graphics.Color)	4294961846 (0xFFFEAB6)
YUV	234.3510, -25.8090, 18.1092
Hunter-Lab	91.3690, -5.3500, 27.5025

Details

The Yxy color **83.4830, 0.3616, 0.3816** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.8545, 0.2648, 0.2701**, and the grayscale version is **82.7398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **45.2961, 0.3716, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **78.4355, 0.3810, 0.4003**, and if you desaturate by 10%, it is **88.8966, 0.3432, 0.3627**.

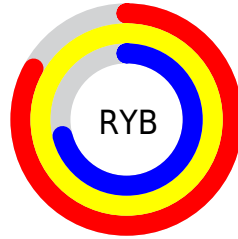
Distribution



Red (100%)

Green (92%)

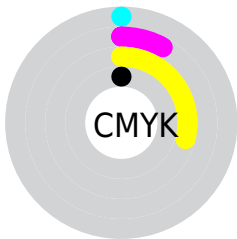
Blue (71%)



Red (83%)

Yellow (100%)

Blue (71%)

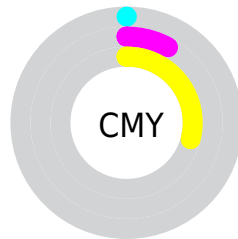


Cyan (0%)

Magenta (8%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4830, 0.3616, 0.3816 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 83.4830, 0.3616, 0.3816 by changing the saturation by 10% instead.


 83.4830, 0.3616,
0.3816

 83.4830, 0.3616,
0.3816


506.5948, 0.3397,
0.3580

 62.5887, 0.3664,
0.3868


 138.2517, 0.3542,
0.3736

 45.5085, 0.3722,
0.3931


172.8949, 0.3512,
0.3704

 31.8582, 0.3794,
0.4008


212.8899, 0.3487,
0.3677

 21.2532, 0.3884,
0.4106

258.6210, 0.3464,
0.3652

 13.3092, 0.4000,
0.4232

310.4727, 0.3445,
0.3631

 7.6418, 0.4153,
0.4399

368.8293, 0.3427,

 3.8666, 0.4359,

0.3612

0.4626

434.0752, 0.3411,
0.3595

■ 1.5992, 0.4845,
0.5155

■ 0.3571, 0.4786,
0.5214

■ 83.4830, 0.3616,
0.3816

■ 83.4830, 0.3616,
0.3816

■ 78.4355, 0.3810,
0.4003

■ 88.8966, 0.3432,
0.3627

■ 73.7395, 0.4010,
0.4179

■ 94.6859, 0.3262,
0.3443

■ 69.3821, 0.4208,
0.4334

100.0000, 0.3127,
0.3290

■ 65.3486, 0.4396,
0.4458

■ 61.6222, 0.4564,
0.4539

■ 58.1836, 0.4704,
0.4571

■ 55.0060, 0.4812,
0.4554

■ 54.5898, 0.4826,
0.4550

Harmonies

Analogous

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



83.4830, 0.3759, 0.3633



83.4830, 0.3616, 0.3816



83.4830, 0.3344, 0.3860

Triad

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



83.4830, 0.3616, 0.3816



83.4830, 0.2564, 0.3154



83.4830, 0.3209, 0.2901

Complementary

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



83.4830, 0.3616, 0.3816



59.8545, 0.2648, 0.2701

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.



83.4830, 0.2890, 0.2779



83.4830, 0.3616, 0.3816



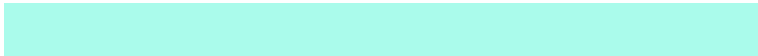
83.4830, 0.2531, 0.2907

Square

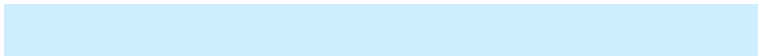
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4830, 0.3616, 0.3816



83.4830, 0.2739, 0.3462



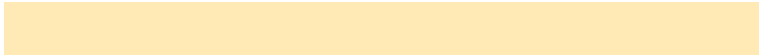
83.4830, 0.2647, 0.2777



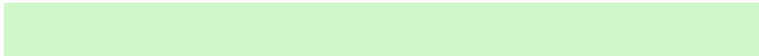
83.4830, 0.3519, 0.3115

Rectangle

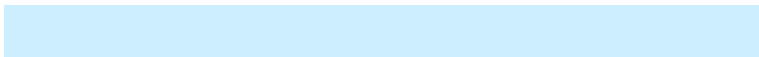
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4830, 0.3616, 0.3816



83.4830, 0.3129, 0.3793



83.4830, 0.2647, 0.2777



83.4830, 0.3099, 0.2848

Sweetspot

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



83.4837, 0.3616, 0.3816



94.4715, 0.3268, 0.3449



59.0553, 0.3572, 0.3064



20.0358, 0.3292, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

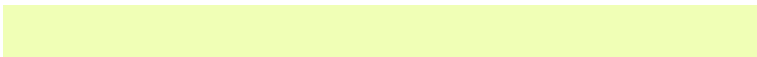
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4837, 0.3616, 0.3816



80.7339, 0.3719, 0.3917



93.4901, 0.3463, 0.4033



20.1564, 0.3276, 0.3459



28.7930, 0.4813, 0.4560



2.9908, 0.4726, 0.4630

Inverse Universe

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



59.8545, 0.2648, 0.2701



53.8172, 0.2550, 0.2570



52.4743, 0.2723, 0.2477



18.2282, 0.2979, 0.3116



6.5032, 0.1601, 0.0965



0.8106, 0.1662, 0.1182

Previews

White Background



This preview shows how the Yxy color 83.4830, 0.3616, 0.3816 looks on a white background.

Color Contrast Check

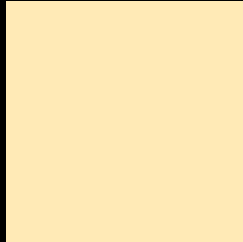
Large Text (above 18pt) WCAG AA × Fail

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 83.4830, 0.3616, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

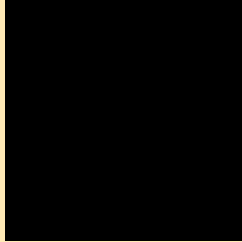
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4830, 0.3616, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 83.4830, 0.3616, 0.3816.

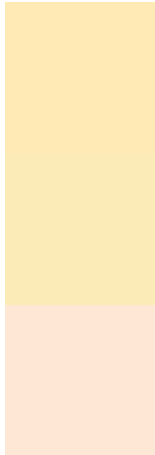


This preview shows how white text looks on a background with the Yxy color 83.4830, 0.3616, 0.3816.

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

83.4830, 0.3616, 0.3816

Protanopia

83.3448, 0.3577, 0.3820

Deuteranopia

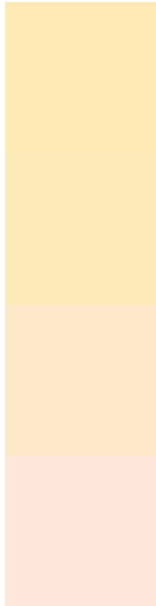
83.2669, 0.3406, 0.3461



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.4830, 0.3616, 0.3816

Protanomaly

83.5310, 0.3584, 0.3819

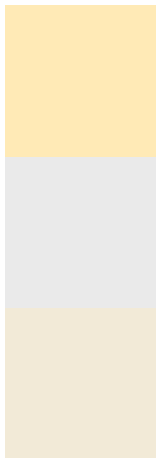
Deuteranomaly

83.2375, 0.3486, 0.3593

Tritanomaly

83.5791, 0.3366, 0.3400

Monochromacy



Original Color

83.4830, 0.3616, 0.3816

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6292, 0.3303, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4830, 0.3616, 0.3816 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 182) }
```

Border

The CSS property to change the border of an element to Yxy 83.4830, 0.3616, 0.3816 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, 182) }
```

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

```
.border{ border-color:rgb(255, 234, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4830, 0.3616, 0.3816 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, 182) }
```

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

```
.background{ background-color: rgb(255,  
234, 182) }
```

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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