

Converting Colors

$Y_{xy}(100.0000, 0.4092, 0.3690)$

Have a look what the booklet for
Yxy(100.0000, 0.4092, 0.3690)
contains.

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Color

Yxy(83.6508, 0.3589, 0.3775)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFEABA |
| RGB | 255, 234, 186 |
| RGB Percent | 100%, 92%, 73% |
| CMY | 0.0000, 0.0823, 0.2706 |
| CMYK | 0.00, 0.08, 0.27, 0.00 |
| HSL | 42°, 100%, 86% |
| HSV | 42°, 27%, 100% |
| XYZ | 79.5292, 83.6508, 58.4115 |
| YIQ | 234.8070, 27.9240, -10.4760 |

Conversions

Conversions Part 2

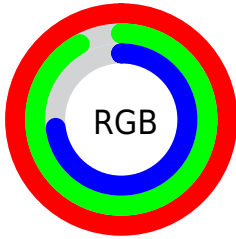
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 216, 255, 186 |
| Decimal | 16771770 |
| CIE Lab | 93.30, 0.04, 25.94 |
| CIE LCh | 93, 25.937, 89.906 |
| Yxy | 83.6508, 0.3589, 0.3775 |
| Android (android.graphics.Color) | 4294961850 (0xFFFFEABA) |
| YUV | 234.8070, -24.0619, 17.7093 |
| Hunter-Lab | 91.4608, -4.8428, 26.1570 |

Details

The Yxy color **83.6508, 0.3589, 0.3775** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.2877, 0.2678, 0.2752**, and the grayscale version is **83.0947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **45.5400, 0.3692, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **78.3400, 0.3784, 0.3959**, and if you desaturate by 10%, it is **89.3519, 0.3406, 0.3591**.

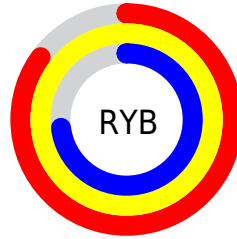
Distribution



Red (100%)

Green (92%)

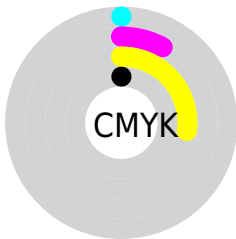
Blue (73%)



Red (85%)

Yellow (100%)

Blue (73%)

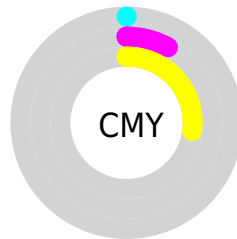


Cyan (0%)

Magenta (8%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6508, 0.3589, 0.3775 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 83.6508, 0.3589, 0.3775 by changing the saturation by 10% instead.


 83.6508, 0.3589,
0.3775

 83.6508, 0.3589,
0.3775

507.1529, 0.3382,
0.3557

 62.7272, 0.3635,
0.3823


 138.4866, 0.3518,
0.3701

 45.6205, 0.3690,
0.3881


173.1675, 0.3491,
0.3672

 31.9465, 0.3758,
0.3952


213.2031, 0.3467,
0.3646

 21.3206, 0.3844,
0.4043

258.9775, 0.3445,
0.3624

 13.3586, 0.3956,
0.4161

310.8754, 0.3427,
0.3605

 7.6759, 0.4106,
0.4317

369.2809, 0.3410,

 3.8883, 0.4310,

0.3587

0.4531

434.5787, 0.3395,
0.3572

■ 1.6113, 0.4876,
0.5124

■ 0.3652, 0.4881,
0.5119

■ 83.6508, 0.3589,
0.3775

■ 83.6508, 0.3589,
0.3775

■ 78.3400, 0.3784,
0.3959

■ 89.3519, 0.3406,
0.3591

■ 73.4020, 0.3988,
0.4134

■ 95.4505, 0.3237,
0.3411

■ 68.8246, 0.4192,
0.4290

100.0000, 0.3127,
0.3290

■ 64.5928, 0.4389,
0.4417

■ 60.6899, 0.4568,
0.4502

■ 57.0965, 0.4720,
0.4538

■ 53.7887, 0.4839,
0.4524

■ 52.8595, 0.4871,
0.4514

Harmonies

Analogous

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



83.6508, 0.3716, 0.3603



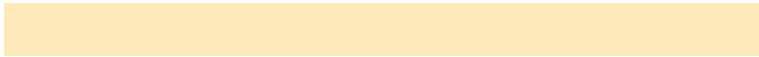
83.6508, 0.3589, 0.3775



83.6508, 0.3340, 0.3820

Triad

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



83.6508, 0.3589, 0.3775



83.6508, 0.2606, 0.3175



83.6508, 0.3193, 0.2921

Complementary

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



83.6508, 0.3589, 0.3775



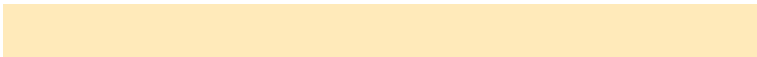
62.2877, 0.2678, 0.2752

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.



83.6508, 0.2898, 0.2811



83.6508, 0.3589, 0.3775



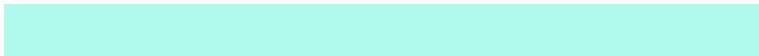
83.6508, 0.2570, 0.2941

Square

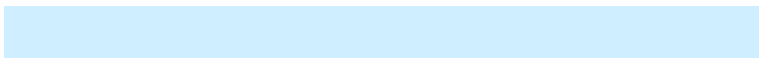
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6508, 0.3589, 0.3775



83.6508, 0.2775, 0.3460



83.6508, 0.2674, 0.2814



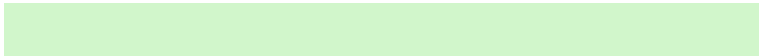
83.6508, 0.3482, 0.3119

Rectangle

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



83.6508, 0.3589, 0.3775



83.6508, 0.3141, 0.3760



83.6508, 0.2674, 0.2814



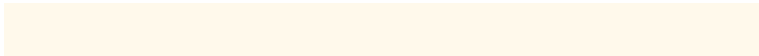
83.6508, 0.3091, 0.2873

Sweetspot

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



83.6524, 0.3589, 0.3775



94.8575, 0.3252, 0.3428



60.9275, 0.3531, 0.3066



20.1027, 0.3277, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

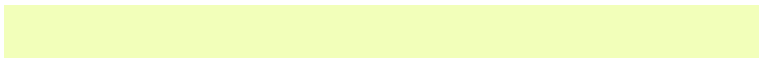
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6524, 0.3589, 0.3775



80.9785, 0.3684, 0.3866



94.0049, 0.3452, 0.3989



20.1027, 0.3277, 0.3455



27.8960, 0.4857, 0.4525



2.9090, 0.4763, 0.4600

Inverse Universe

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



62.2877, 0.2678, 0.2752



56.6453, 0.2588, 0.2636



54.4356, 0.2741, 0.2526



18.2791, 0.2979, 0.3120



6.8195, 0.1612, 0.1004



0.8468, 0.1673, 0.1224

Previews

White Background



This preview shows how the Yxy color 83.6508, 0.3589, 0.3775 looks on a white background.

Color Contrast Check

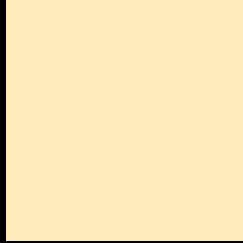
Large Text (above 18pt) WCAG AA × Fail

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 83.6508, 0.3589, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

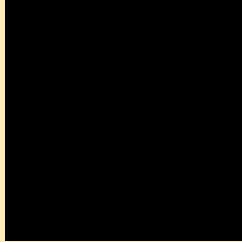
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6508, 0.3589, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 83.6508, 0.3589, 0.3775.



This preview shows how white text looks on a background with the Yxy color 83.6508, 0.3589, 0.3775.

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

83.6508, 0.3589, 0.3775

Protanopia

83.5137, 0.3551, 0.3779

Deuteranopia

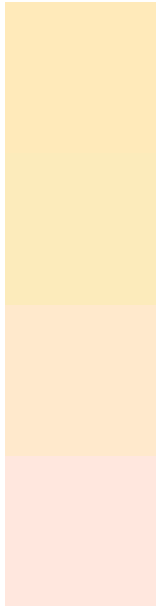
83.8795, 0.3398, 0.3461



Tritanopia

83.7094, 0.3222, 0.3163

Trichromacy



Original Color

83.6508, 0.3589, 0.3775

Protanomaly

83.7000, 0.3558, 0.3778

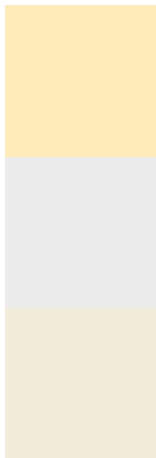
Deuteranomaly

83.8975, 0.3470, 0.3582

Tritanomaly

83.6858, 0.3353, 0.3380

Monochromacy



Original Color

83.6508, 0.3589, 0.3775

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 83.6508, 0.3589, 0.3775 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, 186)` looks like.

```
.text, #text, p{  
  color:rgb(255, 234, 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, 234, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 186) }
```

Border

The CSS property to change the border of an element to Yxy 83.6508, 0.3589, 0.3775 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, 186) }
```

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

```
.border{ border-color:rgb(255, 234, 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, 234, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6508, 0.3589, 0.3775 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, 186) }
```

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

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