

Converting Colors

$Y_{xy}(105.9131, 0.4266, 0.3678)$

Have a look what the booklet for
Yxy(105.9131, 0.4266, 0.3678)
contains.

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Color

Yxy(83.5663, 0.3602, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAB8
RGB	255, 234, 184
RGB Percent	100%, 92%, 72%
CMY	0.0000, 0.0823, 0.2783
CMYK	0.00, 0.08, 0.28, 0.00
HSL	42°, 100%, 86%
HSV	42°, 28%, 100%
XYZ	79.3164, 83.5663, 57.3183
YIQ	234.5790, 28.5660, -11.0980

Conversions

Conversions Part 2

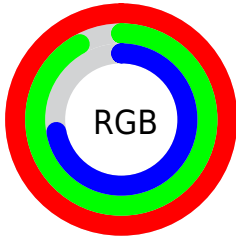
Format	Color
R _Y B	214, 255, 184
Decimal	16771768
CIE Lab	93.26, -0.22, 26.89
CIE LCh	93, 26.895, 90.467
Yxy	83.5663, 0.3602, 0.3795
Android (android.graphics.Color)	4294961848 (0xFFFEAB8)
YUV	234.5790, -24.9354, 17.9092
Hunter-Lab	91.4146, -5.0990, 26.8145

Details

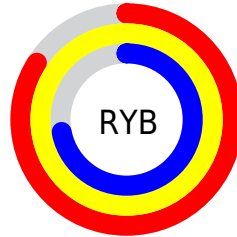
The Yxy color **83.5663, 0.3602, 0.3795** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.0927, 0.2664, 0.2727**, and the grayscale version is **82.9219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **45.4852, 0.3709, 0.3896** is the 20% darker color. If you saturate the color by 10%, you get **78.3906, 0.3797, 0.3980**, and if you desaturate by 10%, it is **89.1252, 0.3419, 0.3609**.

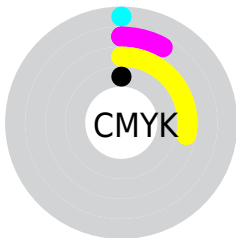
Distribution



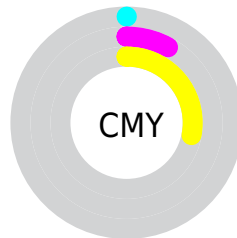
- Red (100%)
- Green (92%)
- Blue (72%)



- Red (84%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (8%)
- Yellow (28%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5663, 0.3602, 0.3795 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 83.5663, 0.3602, 0.3795 by changing the saturation by 10% instead.

 83.5663, 0.3602,
0.3795

 83.5663, 0.3602,
0.3795


506.8719, 0.3389,
0.3568

 62.6574, 0.3649,
0.3845


 138.3683, 0.3530,
0.3718

 45.5641, 0.3705,
0.3905


173.0303, 0.3501,
0.3688

 31.9020, 0.3775,
0.3980


213.0454, 0.3476,
0.3661

 21.2867, 0.3863,
0.4074

258.7980, 0.3454,
0.3638

 13.3337, 0.3977,
0.4195

310.6726, 0.3435,
0.3618

 7.6587, 0.4129,
0.4357

369.0535, 0.3418,

 3.8774, 0.4333,

0.3599

0.4577

434.3252, 0.3403,
0.3583

■ 1.6052, 0.4860,
0.5140

■ 0.3611, 0.4834,
0.5166

■ 83.5663, 0.3602,
0.3795

■ 83.5663, 0.3602,
0.3795

■ 78.3906, 0.3797,
0.3980

■ 89.1252, 0.3419,
0.3609

■ 73.5742, 0.3998,
0.4156

■ 95.0678, 0.3249,
0.3427

■ 69.1071, 0.4200,
0.4312

99.9991, 0.3127,
0.3290

■ 64.9746, 0.4392,
0.4437

■ 61.1599, 0.4566,
0.4521

■ 57.6437, 0.4712,
0.4555

■ 54.4009, 0.4826,
0.4539

■ 53.7247, 0.4848,
0.4532

Harmonies

Analogous

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



83.5663, 0.3737, 0.3617



83.5663, 0.3602, 0.3795



83.5663, 0.3341, 0.3839

Triad

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



83.5663, 0.3602, 0.3795



83.5663, 0.2585, 0.3165



83.5663, 0.3201, 0.2912

Complementary

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



83.5663, 0.3602, 0.3795



61.0927, 0.2664, 0.2727

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.



83.5663, 0.2894, 0.2795



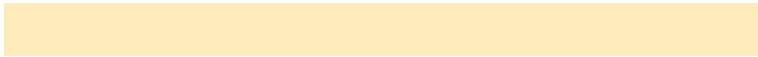
83.5663, 0.3602, 0.3795



83.5663, 0.2551, 0.2924

Square

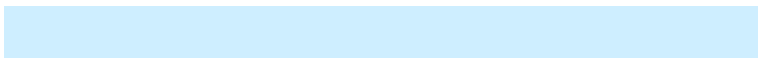
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5663, 0.3602, 0.3795



83.5663, 0.2758, 0.3461



83.5663, 0.2661, 0.2796



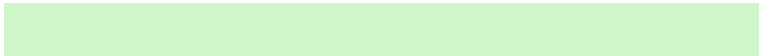
83.5663, 0.3500, 0.3117

Rectangle

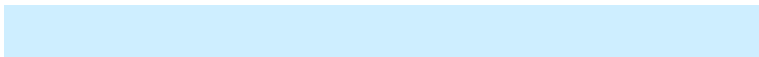
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5663, 0.3602, 0.3795



83.5663, 0.3135, 0.3776



83.5663, 0.2661, 0.2796



83.5663, 0.3095, 0.2861

Sweetspot

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



83.5701, 0.3602, 0.3795



94.9649, 0.3252, 0.3430



59.9807, 0.3556, 0.3071



20.1298, 0.3277, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

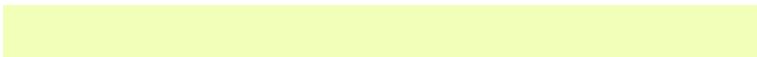
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5701, 0.3602, 0.3795



80.8474, 0.3702, 0.3891



93.6457, 0.3453, 0.4011



20.1298, 0.3277, 0.3457



28.3457, 0.4835, 0.4543



2.9501, 0.4744, 0.4615

Inverse Universe

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



61.0927, 0.2664, 0.2727



55.2254, 0.2569, 0.2604



53.5550, 0.2736, 0.2503



18.2534, 0.2979, 0.3118



6.6572, 0.1607, 0.0984



0.8283, 0.1667, 0.1202

Previews

White Background



This preview shows how the Yxy color 83.5663, 0.3602, 0.3795 looks on a white background.

Color Contrast Check

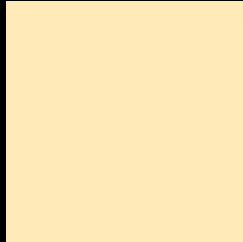
Large Text (above 18pt) WCAG AA × Fail

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 83.5663, 0.3602, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

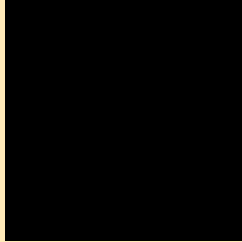
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5663, 0.3602, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 83.5663, 0.3602, 0.3795.



This preview shows how white text looks on a background with the Yxy color 83.5663, 0.3602, 0.3795.

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

83.5663, 0.3602, 0.3795

Protanopia

83.4287, 0.3564, 0.3800

Deuteranopia

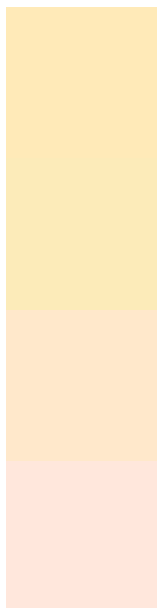
83.2669, 0.3406, 0.3461



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.5663, 0.3602, 0.3795

Protanomaly

83.6149, 0.3571, 0.3799

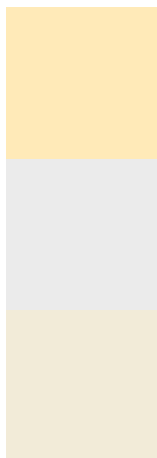
Deuteranomaly

83.2850, 0.3479, 0.3583

Tritanomaly

83.5791, 0.3366, 0.3400

Monochromacy



Original Color

83.5663, 0.3602, 0.3795

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.2518, 0.3296, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5663, 0.3602, 0.3795 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 184) }
```

Border

The CSS property to change the border of an element to Yxy 83.5663, 0.3602, 0.3795 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, 184) }
```

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

```
.border{ border-color:rgb(255, 234, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 234, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 234, 184); box-shadow:4px 4px 4px 4px rgb(255, 234, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5663, 0.3602, 0.3795 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, 184) }
```

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

```
.background{ background-color: rgb(255,  
234, 184) }
```

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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