

Converting Colors

$Y_{xy}(101.3556, 0.4218, 0.3780)$

Have a look what the booklet for
Yxy(101.3556, 0.4218, 0.3780)
contains.

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Color

Yxy(83.7327, 0.3666, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBAE
RGB	255, 235, 174
RGB Percent	100%, 92%, 68%
CMY	0.0000, 0.0784, 0.3178
CMYK	0.00, 0.08, 0.32, 0.00
HSL	45°, 100%, 84%
HSV	45°, 32%, 100%
XYZ	78.5878, 83.7327, 52.0489
YIQ	234.0260, 31.5010, -14.7310

Conversions

Conversions Part 2

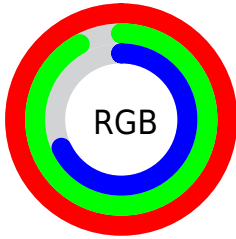
Format	Color
R _Y B	201, 255, 174
Decimal	16772014
CIE Lab	93.33, -1.98, 32.13
CIE LCh	93, 32.188, 93.522
Yxy	83.7327, 0.3666, 0.3906
Android (android.graphics.Color)	4294962094 (0xFFFFEBAE)
YUV	234.0260, -29.5928, 18.3942
Hunter-Lab	91.5056, -6.8334, 30.3294

Details

The Yxy color **83.7327, 0.3666, 0.3906** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.7836, 0.2586, 0.2586**, and the grayscale version is **82.5102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **45.4910, 0.3779, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **79.2937, 0.3854, 0.4099**, and if you desaturate by 10%, it is **88.4929, 0.3484, 0.3708**.

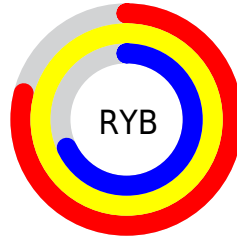
Distribution



Red (100%)

Green (92%)

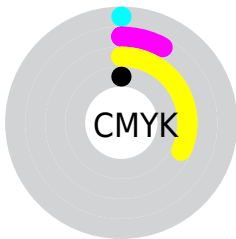
Blue (68%)



Red (79%)

Yellow (100%)

Blue (68%)

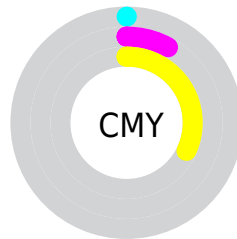


Cyan (0%)

Magenta (8%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7327, 0.3666, 0.3906 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 83.7327, 0.3666, 0.3906 by changing the saturation by 10% instead.


 83.7327, 0.3666,
0.3906

 83.7327, 0.3666,
0.3906


507.4252, 0.3426,
0.3630

 62.7948, 0.3718,
0.3966


 138.6012, 0.3585,
0.3812

 45.6752, 0.3780,
0.4039


173.3006, 0.3553,
0.3775

 31.9896, 0.3857,
0.4129


213.3559, 0.3525,
0.3743

 21.3535, 0.3952,
0.4242

259.1515, 0.3500,
0.3715

 13.3827, 0.4073,
0.4386

311.0718, 0.3479,
0.3690

 7.6926, 0.4227,
0.4573

369.5013, 0.3459,

 3.8989, 0.4448,

0.3667

0.4848

434.8243, 0.3442,
0.3648

■ 1.6172, 0.4755,
0.5245

■ 0.3691, 0.4505,
0.5495

■ 83.7327, 0.3666,
0.3906

■ 83.7327, 0.3666,
0.3906

■ 79.2937, 0.3854,
0.4099

■ 88.4929, 0.3484,
0.3708

■ 75.1564, 0.4044,
0.4278

■ 93.5780, 0.3313,
0.3512

■ 71.3103, 0.4226,
0.4431

■ 99.0009, 0.3154,
0.3323

■ 67.7407, 0.4393,
0.4549

100.0000, 0.3127,
0.3290

■ 64.4311, 0.4536,
0.4622

■ 61.3619, 0.4649,
0.4646

■ 58.9939, 0.4721,
0.4634

Harmonies

Analogous

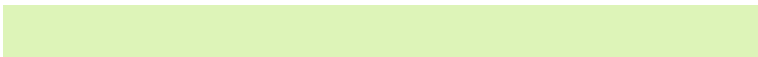
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7327, 0.3849, 0.3701



83.7327, 0.3666, 0.3906



83.7327, 0.3342, 0.3947

Triad

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



83.7327, 0.3666, 0.3906



83.7327, 0.2473, 0.3102



83.7327, 0.3252, 0.2863

Complementary

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



83.7327, 0.3666, 0.3906



54.7836, 0.2586, 0.2586

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.



83.7327, 0.2882, 0.2713



83.7327, 0.3666, 0.3906



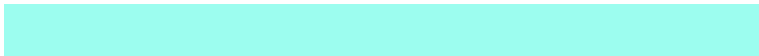
83.7327, 0.2451, 0.2829

Square

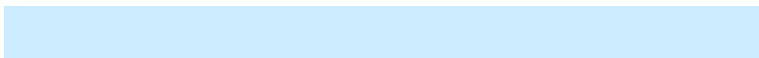
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7327, 0.3666, 0.3906



83.7327, 0.2659, 0.3457



83.7327, 0.2595, 0.2697



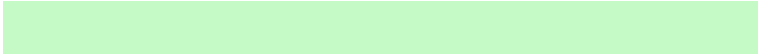
83.7327, 0.3605, 0.3112

Rectangle

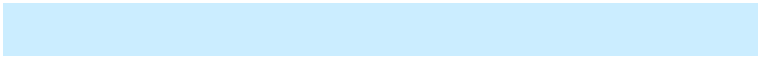
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7327, 0.3666, 0.3906



83.7327, 0.3095, 0.3858



83.7327, 0.2595, 0.2697



83.7327, 0.3125, 0.2800

Sweetspot

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



83.7352, 0.3666, 0.3906



94.5160, 0.3283, 0.3478



55.4266, 0.3675, 0.3080



20.0712, 0.3306, 0.3505



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

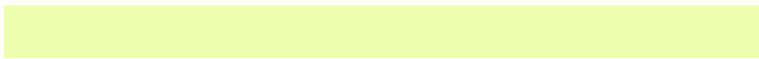
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7352, 0.3666, 0.3906



80.9343, 0.3783, 0.4027



92.1933, 0.3471, 0.4125



20.2868, 0.3275, 0.3468



31.0733, 0.4710, 0.4642



3.1971, 0.4638, 0.4699

Inverse Universe

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



54.7836, 0.2586, 0.2586



47.9592, 0.2468, 0.2420



48.9809, 0.2699, 0.2382



18.1057, 0.2979, 0.3105



5.8209, 0.1577, 0.0878



0.7300, 0.1635, 0.1085

Previews

White Background



This preview shows how the Yxy color 83.7327, 0.3666, 0.3906 looks on a white background.

Color Contrast Check

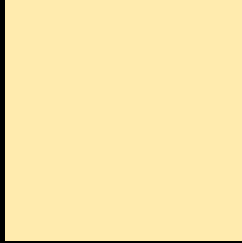
Large Text (above 18pt) WCAG AA × Fail

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 83.7327, 0.3666, 0.3906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

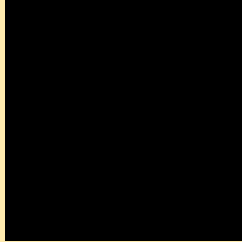
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7327, 0.3666, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 83.7327, 0.3666, 0.3906.



This preview shows how white text looks on a background with the Yxy color 83.7327, 0.3666, 0.3906.

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

83.7327, 0.3666, 0.3906

Protanopia

83.9295, 0.3648, 0.3918

Deuteranopia

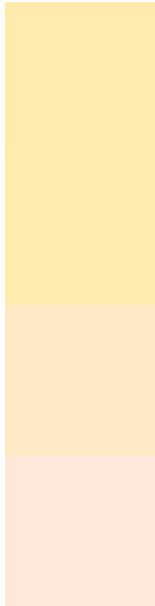
83.7773, 0.3411, 0.3481



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.7327, 0.3666, 0.3906

Protanomaly

84.1177, 0.3655, 0.3917

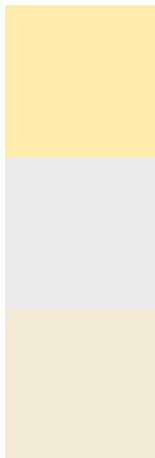
Deuteranomaly

83.6613, 0.3504, 0.3633

Tritanomaly

83.4216, 0.3386, 0.3431

Monochromacy



Original Color

83.7327, 0.3666, 0.3906

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4763, 0.3323, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7327, 0.3666, 0.3906 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, 235, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 174)  
}
```

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, 235, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 174) }
```

Border

The CSS property to change the border of an element to Yxy 83.7327, 0.3666, 0.3906 is called "border". The border property can be set on classes, ids or directly on the HTML element.

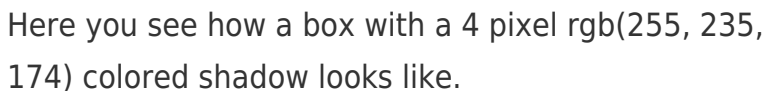
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 235, 174) }
```

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

```
.border{ border-color:rgb(255, 235, 174) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 235, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 235, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 235, 174); box-shadow:4px 4px 4px 4px rgb(255, 235, 174) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7327, 0.3666, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 174) }
```

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

```
.background{ background-color: rgb(255,  
235, 174) }
```

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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