

# Converting Colors

$Y_{xy}(82.7143, 0.3747, 0.4016)$

Have a look what the booklet for  
Yxy(82.7143, 0.3747, 0.4016)  
contains.

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# Color

**Yxy(82.7143, 0.3747, 0.4016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAA2
RGB	255, 234, 162
RGB Percent	100%, 92%, 64%
CMY	0.0001, 0.0823, 0.3648
CMYK	0.00, 0.08, 0.36, 0.00
HSL	46°, 100%, 82%
HSV	46°, 36%, 100%
XYZ	77.1739, 82.7143, 46.0737
YIQ	232.0710, 35.6280, -17.9400

# Conversions

## Conversions Part 2

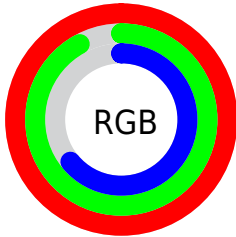
Format	Color
<a href="#">RYB</a>	<a href="#">189, 255, 162</a>
Decimal	<a href="#">16771746</a>
CIELab	<a href="#">92.89, -2.89, 37.59</a>
CIELCh	<a href="#">93, 37.700, 94.397</a>
Yxy	<a href="#">82.7143, 0.3747, 0.4016</a>
Android (android.graphics.Color)	<a href="#">4294961826</a> ( <a href="#">0xFFFFEAA2</a> )
YUV	<a href="#">232.0710, -34.5450, 20.1087</a>
Hunter-Lab	<a href="#">90.9474, -7.6908, 33.6270</a>

# Details

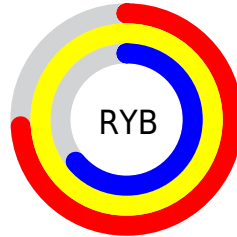
The Yxy color **82.7143, 0.3747, 0.4016** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.7377, 0.2494, 0.2437**, and the grayscale version is **80.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **44.8152, 0.3882, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **78.6833, 0.3932, 0.4208**, and if you desaturate by 10%, it is **87.0428, 0.3565, 0.3815**.

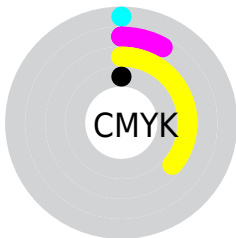
# Distribution



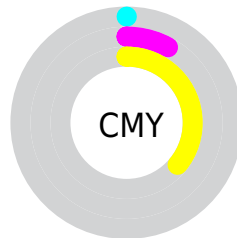
- Red (100%)
- Green (92%)
- Blue (64%)



- Red (74%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7143, 0.3747, 0.4016 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 82.7143, 0.3747, 0.4016 by changing the saturation by 10% instead.





 82.7143, 0.3747,  
0.4016

 82.7143, 0.3747,  
0.4016

504.0339, 0.3473,  
0.3691

 61.9545, 0.3806,  
0.4087

 137.1752, 0.3655,  
0.3906

 44.9959, 0.3876,  
0.4172


 171.6452, 0.3618,  
0.3862

 31.4542, 0.3961,  
0.4275


211.4539, 0.3586,  
0.3824

 20.9450, 0.4065,  
0.4404

256.9859, 0.3558,  
0.3791

 13.0838, 0.4193,  
0.4565

308.6255, 0.3533,  
0.3762

 7.4863, 0.4348,  
0.4769

366.7571, 0.3511,

 3.7680, 0.4658,

0.3735

0.5163

431.7651, 0.3491,  
0.3712

■ 1.5447, 0.4697,  
0.5303

■ 0.3199, 0.4219,  
0.5781

■ 82.7143, 0.3747,  
0.4016

■ 82.7143, 0.3747,  
0.4016

■ 78.6833, 0.3932,  
0.4208

■ 87.0428, 0.3565,  
0.3815

■ 74.9261, 0.4113,  
0.4380

■ 91.6685, 0.3390,  
0.3612

■ 71.4333, 0.4281,  
0.4521

■ 96.6058, 0.3226,  
0.3414

■ 68.1897, 0.4429,  
0.4622

99.9934, 0.3127,  
0.3290

■ 65.1778, 0.4550,  
0.4676

■ 62.3760, 0.4640,  
0.4681

■ 61.4251, 0.4667,  
0.4676

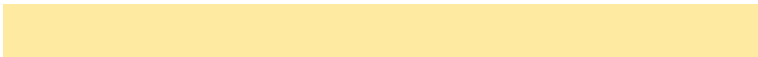
# Harmonies

## Analogous

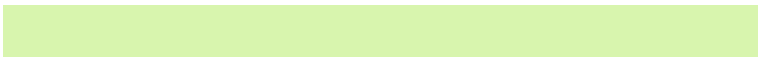
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7143, 0.3972, 0.3772



82.7143, 0.3747, 0.4016



82.7143, 0.3362, 0.4066

# Triad

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



82.7143, 0.3747, 0.4016



82.7143, 0.2361, 0.3052



82.7143, 0.3284, 0.2801

# Complementary

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



82.7143, 0.3747, 0.4016



48.7377, 0.2494, 0.2437

# 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.



82.7143, 0.2850, 0.2624



82.7143, 0.3747, 0.4016



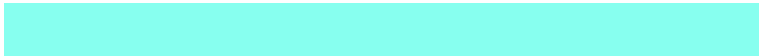
82.7143, 0.2343, 0.2741

# Square

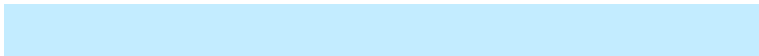
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7143, 0.3747, 0.4016



82.7143, 0.2569, 0.3472



82.7143, 0.2514, 0.2597



82.7143, 0.3700, 0.3089

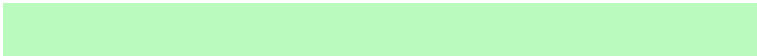


# Rectangle

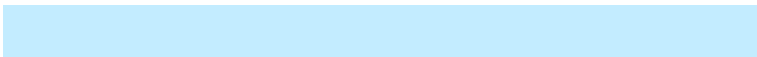
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7143, 0.3747, 0.4016



82.7143, 0.3073, 0.3959



82.7143, 0.2514, 0.2597



82.7143, 0.3134, 0.2728

# Sweetspot

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



82.7181, 0.3747, 0.4016



94.3575, 0.3299, 0.3503



50.5372, 0.3806, 0.3064



20.0533, 0.3321, 0.3529



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

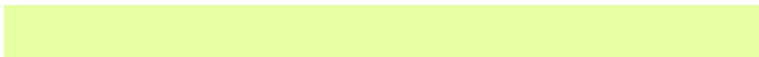
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7181, 0.3747, 0.4016



79.6768, 0.3886, 0.4162



90.9574, 0.3508, 0.4256



20.3557, 0.3275, 0.3473



32.3403, 0.4658, 0.4683



3.3109, 0.4594, 0.4734



# Inverse Universe

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



48.7377, 0.2494, 0.2437



41.0754, 0.2348, 0.2224



43.5915, 0.2632, 0.2232



18.0414, 0.2979, 0.3100



5.5066, 0.1566, 0.0837



0.6912, 0.1622, 0.1038



# Previews

## White Background



This preview shows how the Yxy color 82.7143, 0.3747, 0.4016 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

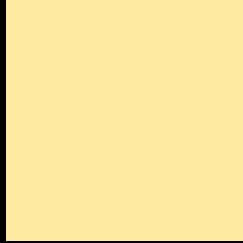
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7143, 0.3747, 0.4016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

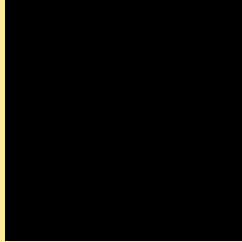
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.7143, 0.3747, 0.4016**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7143, 0.3747, 0.4016.



This preview shows how white text looks on a background with the Yxy color 82.7143, 0.3747, 0.4016.

# 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

82.7143, 0.3747, 0.4016

### Protanopia

82.5251, 0.3740, 0.4018

### Deuteranopia

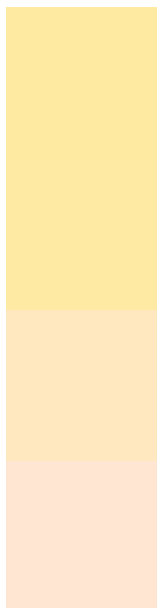
82.4077, 0.3449, 0.3512



## Tritanopia

82.4302, 0.3244, 0.3172

# Trichromacy



## Original Color

82.7143, 0.3747, 0.4016

## Protanomaly

82.5251, 0.3740, 0.4018

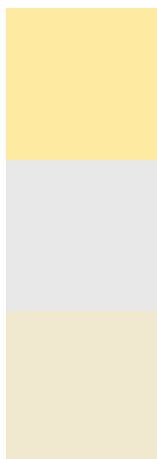
## Deuteranomaly

82.1734, 0.3563, 0.3695

## Tritanomaly

82.5568, 0.3428, 0.3482

# Monochromacy



## Original Color

82.7143, 0.3747, 0.4016

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.3081, 0.3343, 0.3561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.7143, 0.3747, 0.4016 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7143, 0.3747, 0.4016 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, 162) }
```

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

```
.border{ border-color:rgb(255, 234, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7143, 0.3747, 0.4016 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, 162) }
```

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

```
.background{ background-color: rgb(255,  
234, 162) }
```

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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