

# Converting Colors

$Yxy(83.0518, 0.3713, 0.3967)$

Have a look what the booklet for  
Yxy(83.0518, 0.3713, 0.3967)  
contains.

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# Color

**Yxy(82.8957, 0.3715, 0.3966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAA7
RGB	255, 234, 167
RGB Percent	100%, 92%, 65%
CMY	0.0000, 0.0824, 0.3451
CMYK	0.00, 0.08, 0.35, 0.00
HSL	46°, 100%, 83%
HSV	46°, 35%, 100%
XYZ	77.6494, 82.8957, 48.4708
YIQ	232.6410, 34.0230, -16.3850

# Conversions

## Conversions Part 2

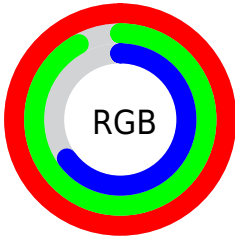
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 255, 167
Decimal	16771751
CIE <sub>Lab</sub>	92.97, -2.28, 35.17
CIE <sub>LCh</sub>	93, 35.240, 93.705
Yxy	82.8957, 0.3715, 0.3966
Android (android.graphics.Color)	4294961831 (0xFFFFEAA7)
YUV	232.6410, -32.3610, 19.6088
Hunter-Lab	91.0471, -7.0988, 32.1687

# Details

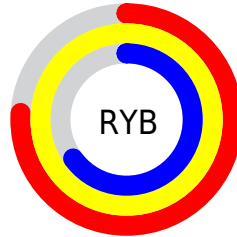
The Yxy color **82.8957, 0.3715, 0.3966** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.4103, 0.2533, 0.2506**, and the grayscale version is **81.4267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **44.9260, 0.3842, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **78.6327, 0.3902, 0.4158**, and if you desaturate by 10%, it is **87.4561, 0.3532, 0.3767**.

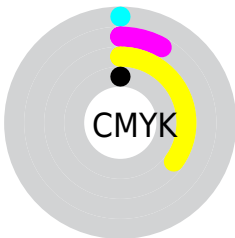
# Distribution



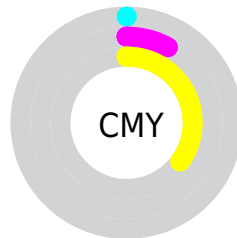
- Red (100%)
- Green (92%)
- Blue (65%)



- Red (76%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (8%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8957, 0.3715, 0.3966 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 82.8957, 0.3715, 0.3966 by changing the saturation by 10% instead.





 82.8957, 0.3715,  
0.3966

 82.8957, 0.3715,  
0.3966

504.6388, 0.3454,  
0.3663

 62.1041, 0.3771,  
0.4032


 137.4294, 0.3627,  
0.3863

 45.1168, 0.3839,  
0.4112


 171.9402, 0.3592,  
0.3823

 31.5495, 0.3921,  
0.4209


211.7930, 0.3562,  
0.3787

 21.0176, 0.4022,  
0.4331

257.3720, 0.3535,  
0.3756

 13.1369, 0.4149,  
0.4485

309.0617, 0.3511,  
0.3729

 7.5229, 0.4307,  
0.4681

367.2465, 0.3490,

 3.7912, 0.4575,

0.3704

0.5015

432.3108, 0.3471,  
0.3683

■ 1.5575, 0.4735,  
0.5265

■ 0.3287, 0.4386,  
0.5614

■ 82.8957, 0.3715,  
0.3966

■ 82.8957, 0.3715,  
0.3966

■ 78.6327, 0.3902,  
0.4158

■ 87.4561, 0.3532,  
0.3767

■ 74.6664, 0.4088,  
0.4332

■ 92.3367, 0.3358,  
0.3568

■ 70.9797, 0.4265,  
0.4478

■ 97.5441, 0.3196,  
0.3374

■ 67.5577, 0.4423,  
0.4586

100.0000, 0.3127,  
0.3290

■ 64.3833, 0.4554,  
0.4647

■ 61.4356, 0.4656,  
0.4659

■ 59.8970, 0.4701,  
0.4649

# Harmonies

## Analogous

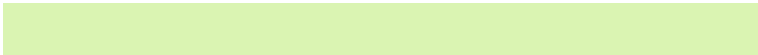
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8957, 0.3919, 0.3738



82.8957, 0.3715, 0.3966



82.8957, 0.3358, 0.4014

# Triad

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



82.8957, 0.3715, 0.3966



82.8957, 0.2411, 0.3078



82.8957, 0.3265, 0.2826

# Complementary

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



82.8957, 0.3715, 0.3966



51.4103, 0.2533, 0.2506

# 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.



82.8957, 0.2860, 0.2662



82.8957, 0.3715, 0.3966



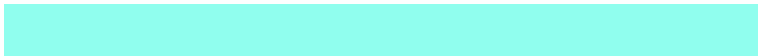
82.8957, 0.2389, 0.2782

# Square

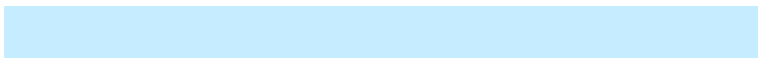
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8957, 0.3715, 0.3966



82.8957, 0.2612, 0.3470



82.8957, 0.2547, 0.2641



82.8957, 0.3654, 0.3096

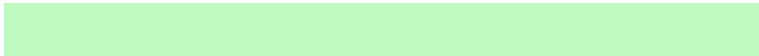


# Rectangle

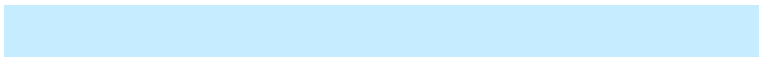
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8957, 0.3715, 0.3966



82.8957, 0.3087, 0.3917



82.8957, 0.2547, 0.2641



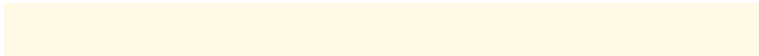
82.8957, 0.3125, 0.2757

# Sweetspot

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



82.8919, 0.3715, 0.3966



94.6421, 0.3283, 0.3479



52.5755, 0.3741, 0.3061



20.1019, 0.3306, 0.3507



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

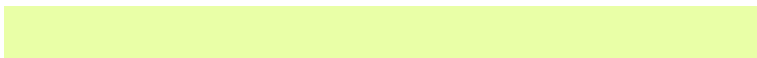
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8919, 0.3715, 0.3966



80.0920, 0.3836, 0.4092



91.6344, 0.3499, 0.4200



20.3124, 0.3275, 0.3470



31.5404, 0.4691, 0.4658



3.2391, 0.4622, 0.4712



# Inverse Universe

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



51.4103, 0.2533, 0.2506



44.5669, 0.2409, 0.2328



45.6808, 0.2654, 0.2293



18.0817, 0.2979, 0.3104



5.7001, 0.1573, 0.0863



0.7152, 0.1630, 0.1067



# Previews

## White Background



This preview shows how the Yxy color 82.8957, 0.3715, 0.3966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

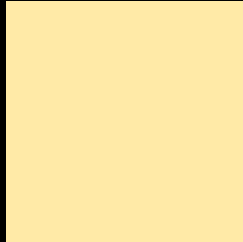
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8957, 0.3715, 0.3966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

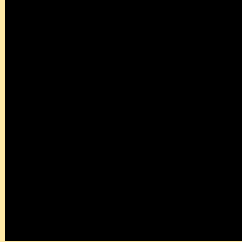
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.8957, 0.3715, 0.3966**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8957, 0.3715, 0.3966.



This preview shows how white text looks on a background with the Yxy color 82.8957, 0.3715, 0.3966.

# 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

82.8957, 0.3715, 0.3966

### Protanopia

83.0893, 0.3697, 0.3979

### Deuteranopia

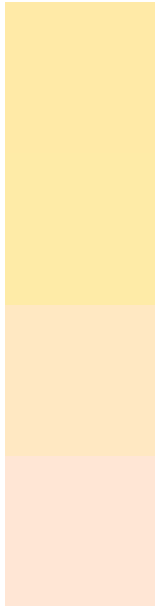
83.0153, 0.3440, 0.3512



## Tritanopia

83.0381, 0.3236, 0.3172

# Trichromacy



## Original Color

82.8957, 0.3715, 0.3966

## Protanomaly

83.2775, 0.3704, 0.3977

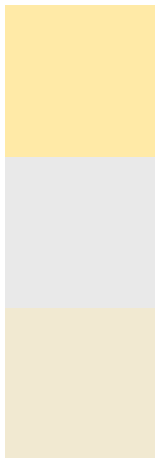
## Deuteranomaly

82.8683, 0.3540, 0.3674

## Tritanomaly

82.6577, 0.3415, 0.3461

# Monochromacy



## Original Color

82.8957, 0.3715, 0.3966

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.5820, 0.3337, 0.3539

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8957, 0.3715, 0.3966 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8957, 0.3715, 0.3966 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, 167) }
```

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

```
.border{ border-color:rgb(255, 234, 167) }
```

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, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8957, 0.3715, 0.3966 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, 167) }
```

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

```
.background{ background-color: rgb(255,  
234, 167) }
```

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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