

# Converting Colors

$Yxy(89.3707, 0.3931, 0.3868)$

Have a look what the booklet for  
Yxy(89.3707, 0.3931, 0.3868)  
contains.

<b>Yxy(82.4781, 0.3692, 0.3917)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(82.4781, 0.3692, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9AB
RGB	255, 233, 171
RGB Percent	100%, 91%, 67%
CMY	0.0000, 0.0863, 0.3294
CMYK	0.00, 0.09, 0.33, 0.00
HSL	44°, 100%, 84%
HSV	44°, 33%, 100%
XYZ	77.7404, 82.4781, 50.3460
YIQ	232.5100, 33.0140, -14.6180

# Conversions

## Conversions Part 2

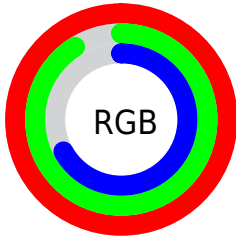
Format	Color
R <sub>Y</sub> B	201, 255, 171
Decimal	16771499
CIE Lab	92.79, -1.30, 32.91
CIE LCh	93, 32.932, 92.271
Yxy	82.4781, 0.3692, 0.3917
Android (android.graphics.Color)	4294961579 (0xFFFFE9AB)
YUV	232.5100, -30.3244, 19.7237
Hunter-Lab	90.8175, -6.1333, 30.7040

# Details

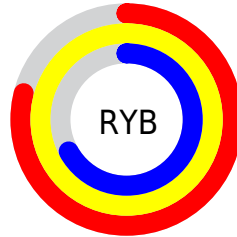
The Yxy color  $82.4781, 0.3692, 0.3917$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $54.0170, 0.2566, 0.2571$ , and the grayscale version is  $81.3067, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.3261, 0.3292, 0.3562$ , and  $44.6226, 0.3814, 0.4050$  is the 20% darker color. If you saturate the color by 10%, you get  $77.8826, 0.3884, 0.4106$ , and if you desaturate by 10%, it is  $87.3959, 0.3507, 0.3723$ .

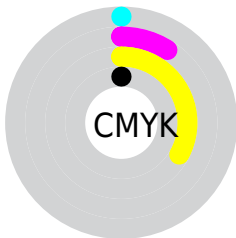
# Distribution



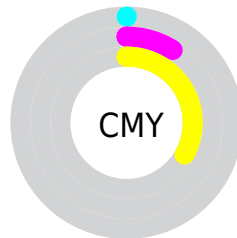
- Red (100%)
- Green (91%)
- Blue (67%)



- Red (79%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4781, 0.3692, 0.3917 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 82.4781, 0.3692, 0.3917 by changing the saturation by 10% instead.



 82.4781, 0.3692,  
0.3917

 82.4781, 0.3692,  
0.3917


503.2455, 0.3440,  
0.3636

 61.7597, 0.3747,  
0.3978


 136.8443, 0.3607,  
0.3822

 44.8386, 0.3813,  
0.4053


171.2608, 0.3573,  
0.3784

 31.3303, 0.3893,  
0.4144

211.0122, 0.3544,  
0.3751

 20.8505, 0.3994,  
0.4258

256.4828, 0.3518,  
0.3722

 13.0148, 0.4121,  
0.4403

308.0571, 0.3495,  
0.3697

 7.4387, 0.4282,  
0.4590

366.1193, 0.3475,

 3.7379, 0.4534,

0.3674

0.4884

431.0540, 0.3456,  
0.3654

■ 1.5281, 0.4794,  
0.5206

■ 0.3084, 0.4586,  
0.5414

■ 82.4781, 0.3692,  
0.3917

■ 82.4781, 0.3692,  
0.3917

■ 77.8826, 0.3884,  
0.4106

■ 87.3959, 0.3507,  
0.3723

■ 73.6097, 0.4077,  
0.4279

■ 92.6602, 0.3333,  
0.3530

■ 69.6417, 0.4263,  
0.4427

■ 98.2775, 0.3172,  
0.3343

■ 65.9635, 0.4433,  
0.4537

100.0000, 0.3127,  
0.3290

■ 62.5580, 0.4579,  
0.4602

■ 59.4047, 0.4695,  
0.4617

■ 57.3114, 0.4760,  
0.4603

# Harmonies

## Analogous

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



82.4781, 0.3873, 0.3700



82.4781, 0.3692, 0.3917



82.4781, 0.3363, 0.3969

# Triad

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



82.4781, 0.3692, 0.3917



82.4781, 0.2460, 0.3110



82.4781, 0.3238, 0.2843

# Complementary

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



82.4781, 0.3692, 0.3917



54.0170, 0.2566, 0.2571

# 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.



82.4781, 0.2860, 0.2695



82.4781, 0.3692, 0.3917



82.4781, 0.2430, 0.2825

# Square

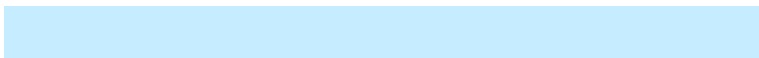
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4781, 0.3692, 0.3917



82.4781, 0.2657, 0.3477



82.4781, 0.2572, 0.2683



82.4781, 0.3605, 0.3095

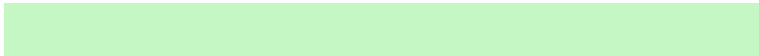


# Rectangle

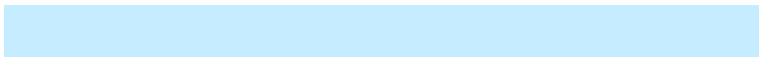
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4781, 0.3692, 0.3917



82.4781, 0.3110, 0.3884



82.4781, 0.2572, 0.2683



82.4781, 0.3108, 0.2780

# Sweetspot

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



82.4739, 0.3692, 0.3917



94.2768, 0.3284, 0.3474



54.2511, 0.3690, 0.3058



20.0131, 0.3307, 0.3500



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

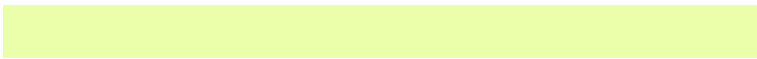
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4739, 0.3692, 0.3917



79.2006, 0.3827, 0.4051



92.1901, 0.3492, 0.4154



20.2380, 0.3276, 0.3465



30.2025, 0.4748, 0.4612



3.1186, 0.4671, 0.4674



# Inverse Universe

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



54.0170, 0.2566, 0.2571



46.5221, 0.2433, 0.2385



47.3670, 0.2670, 0.2342



18.1514, 0.2979, 0.3109



6.0625, 0.1586, 0.0909



0.7590, 0.1645, 0.1120



# Previews

## White Background



This preview shows how the Yxy color 82.4781, 0.3692, 0.3917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

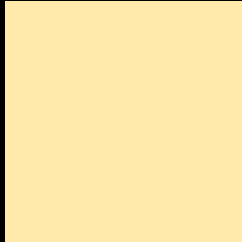
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4781, 0.3692, 0.3917 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 82.4781, 0.3692, 0.3917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4781, 0.3692, 0.3917.



This preview shows how white text looks on a background with the Yxy color 82.4781, 0.3692, 0.3917.

# 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

82.4781, 0.3692, 0.3917

### Protanopia

82.4814, 0.3666, 0.3932

### Deuteranopia

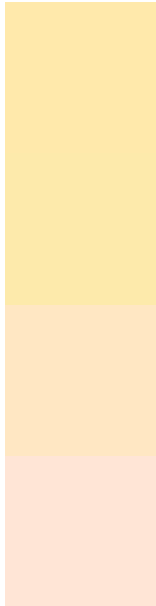
82.4571, 0.3442, 0.3502



## Tritanopia

82.4302, 0.3244, 0.3172

# Trichromacy



## Original Color

82.4781, 0.3692, 0.3917

## Protanomaly

82.6686, 0.3674, 0.3930

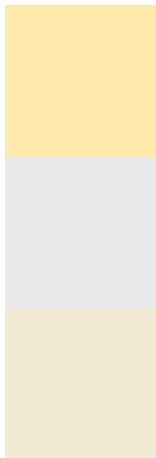
## Deuteranomaly

82.3520, 0.3535, 0.3654

## Tritanomaly

82.1537, 0.3409, 0.3441

# Monochromacy



## Original Color

82.4781, 0.3692, 0.3917

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.6317, 0.3330, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4781, 0.3692, 0.3917 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, 233, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 171)  
}
```

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, 233, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4781, 0.3692, 0.3917 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, 233, 171) }
```

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

```
.border{ border-color:rgb(255, 233, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4781, 0.3692, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 171) }
```

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

```
.background{ background-color: rgb(255,  
233, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor