

# Converting Colors

$Y_{xy}(72.1391, 0.3982, 0.4084)$

Have a look what the booklet for  
Yxy(72.1391, 0.3982, 0.4084)  
contains.

<b>Yxy(72.2067, 0.3980, 0.4083)</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(72.2067, 0.3980, 0.4083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD88A
RGB	255, 216, 138
RGB Percent	100%, 85%, 54%
CMY	0.0000, 0.1529, 0.4590
CMYK	0.00, 0.15, 0.46, 0.00
HSL	40°, 100%, 77%
HSV	40°, 46%, 100%
XYZ	70.3852, 72.2067, 34.2553
YIQ	218.7690, 48.2820, -15.9900

# Conversions

## Conversions Part 2

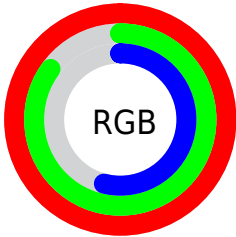
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 255, 138
Decimal	16767114
CIE <sub>Lab</sub>	88.07, 3.79, 43.40
CIE <sub>LCh</sub>	88, 43.568, 85.008
Yxy	72.2067, 0.3980, 0.4083
Android (android.graphics.Color)	4294957194 (0xFFFFD88A)
YUV	218.7690, -39.8191, 31.7746
Hunter-Lab	84.9745, -0.8522, 35.5809

# Details

The Yxy color **72.2067, 0.3980, 0.4083** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.0459, 0.2340, 0.2330**, and the grayscale version is **70.9231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **37.8974, 0.4167, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **67.3117, 0.4193, 0.4237**, and if you desaturate by 10%, it is **77.5009, 0.3770, 0.3913**.

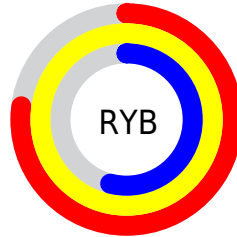
# Distribution



Red (100%)

Green (85%)

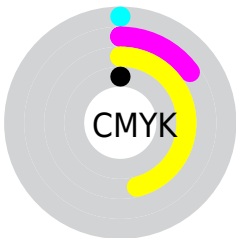
Blue (54%)



Red (77%)

Yellow (100%)

Blue (54%)

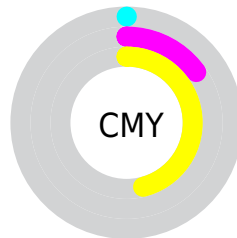


Cyan (0%)

Magenta (15%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2067, 0.3980, 0.4083 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 72.2067, 0.3980, 0.4083 by changing the saturation by 10% instead.



 72.2067, 0.3980,  
0.4083


 72.2067, 0.3980,  
0.4083


468.2607, 0.3593,  
0.3730

 53.3275, 0.4064,  
0.4158


 122.3504, 0.3849,  
0.3965

 38.0643, 0.4164,  
0.4246


 154.3836, 0.3797,  
0.3917

 26.0326, 0.4285,  
0.4352


 191.5704, 0.3752,  
0.3876

 16.8480, 0.4433,  
0.4477

234.2951, 0.3712,  
0.3840

 10.1262, 0.4610,  
0.4622

282.9421, 0.3677,  
0.3807

 5.4827, 0.4867,  
0.4826

337.8958, 0.3646,

 2.5332, 0.5064,

0.3779

0.4936

399.5405, 0.3618,  
0.3753

0.8932, 0.5142,  
0.4858

0.0000, 0.0000,  
0.0000

72.2067, 0.3980,  
0.4083

72.2067, 0.3980,  
0.4083

67.3117, 0.4193,  
0.4237

77.5009, 0.3770,  
0.3913

62.7991, 0.4403,  
0.4362

83.2076, 0.3572,  
0.3735

58.6520, 0.4597,  
0.4447

89.3406, 0.3387,  
0.3558

54.8504, 0.4765,  
0.4484

95.9125, 0.3219,  
0.3387

■ 51.3706, 0.4901,  
0.4469

100.0000, 0.3127,  
0.3290

■ 50.0235, 0.4950,  
0.4452

# Harmonies

## Analogous

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



72.2067, 0.4176, 0.3734



72.2067, 0.3980, 0.4083



72.2067, 0.3559, 0.4247

# Triad

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



72.2067, 0.3980, 0.4083



72.2067, 0.2267, 0.3144



72.2067, 0.3142, 0.2628

# Complementary

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



72.2067, 0.3980, 0.4083



44.0459, 0.2340, 0.2330

# 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.



72.2067, 0.2648, 0.2469



72.2067, 0.3980, 0.4083



72.2067, 0.2177, 0.2720

# Square

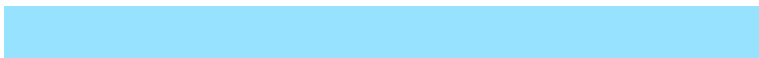
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2067, 0.3980, 0.4083



72.2067, 0.2573, 0.3674



72.2067, 0.2309, 0.2492



72.2067, 0.3674, 0.2930

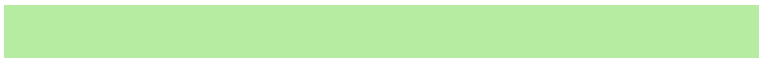


# Rectangle

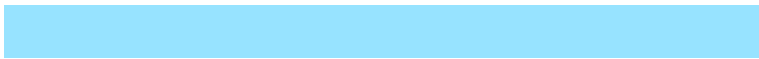
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2067, 0.3980, 0.4083



72.2067, 0.3217, 0.4190



72.2067, 0.2309, 0.2492



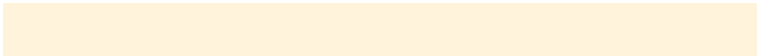
72.2067, 0.2966, 0.2557

# Sweetspot

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



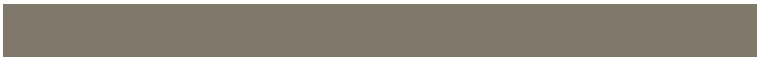
72.2070, 0.3980, 0.4083



90.5545, 0.3354, 0.3525



42.5979, 0.3947, 0.2886



19.0874, 0.3392, 0.3563



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.



72.2070, 0.3980, 0.4083



67.7359, 0.4174, 0.4224



91.0999, 0.3673, 0.4476



20.0111, 0.3277, 0.3448



26.4243, 0.4934, 0.4464



2.7739, 0.4828, 0.4549



# Inverse Universe

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



44.0459, 0.2340, 0.2330



36.5055, 0.2178, 0.2097



32.5997, 0.2385, 0.1890



18.3665, 0.2979, 0.3127



7.4081, 0.1632, 0.1075



0.9125, 0.1694, 0.1298



# Previews

## White Background



This preview shows how the Yxy color 72.2067, 0.3980, 0.4083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

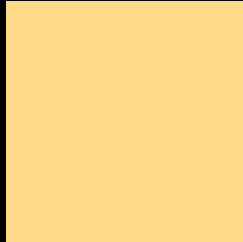
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2067, 0.3980, 0.4083 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 72.2067, 0.3980, 0.4083**

## Background



This preview shows how black text looks on a background with the Yxy color 72.2067, 0.3980, 0.4083.



This preview shows how white text looks on a background with the Yxy color 72.2067, 0.3980, 0.4083.

# 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

72.2067, 0.3980, 0.4083

### Protanopia

72.3071, 0.3834, 0.4146

### Deuteranopia

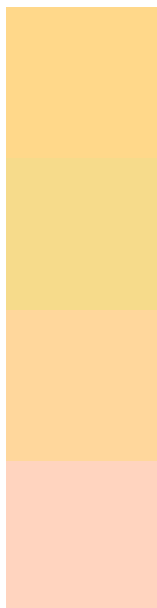
72.1432, 0.3782, 0.3776



## Tritanopia

72.1349, 0.3382, 0.3159

# Trichromacy



## Original Color

72.2067, 0.3980, 0.4083

## Protanomaly

72.1199, 0.3888, 0.4124

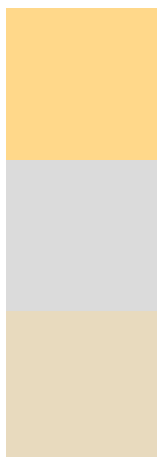
## Deuteranomaly

72.2612, 0.3858, 0.3897

## Tritanomaly

72.1086, 0.3608, 0.3507

# Monochromacy



## Original Color

72.2067, 0.3980, 0.4083

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.0163, 0.3425, 0.3595

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2067, 0.3980, 0.4083 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, 216, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 138)  
}
```

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, 216, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2067, 0.3980, 0.4083 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, 216, 138) }
```

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

```
.border{ border-color:rgb(255, 216, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2067, 0.3980, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 138) }
```

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

```
.background{ background-color: rgb(255,  
216, 138) }
```

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