

# Converting Colors

$Y_{xy}(79.1883, 0.4216, 0.3921)$

Have a look what the booklet for  
Yxy(79.1883, 0.4216, 0.3921)  
contains.

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# **Color**

**Yxy(71.9052, 0.3936, 0.4006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD791
RGB	255, 215, 145
RGB Percent	100%, 84%, 57%
CMY	0.0000, 0.1568, 0.4314
CMYK	0.00, 0.16, 0.43, 0.00
HSL	38°, 100%, 78%
HSV	38°, 43%, 100%
XYZ	70.6487, 71.9052, 36.9398
YIQ	218.9800, 46.3100, -13.2900

# Conversions

## Conversions Part 2

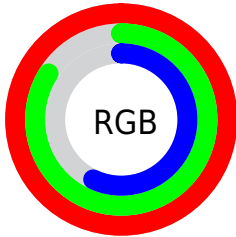
Format	Color
R <sub>Y</sub> B	208, 255, 145
Decimal	16766865
CIE Lab	87.92, 4.98, 39.69
CIE LCh	88, 39.999, 82.848
Yxy	71.9052, 0.3936, 0.4006
Android (android.graphics.Color)	4294956945 (0xFFFFD791)
YUV	218.9800, -36.4721, 31.5895
Hunter-Lab	84.7969, 0.3230, 33.5295

# Details

The Yxy color **71.9052, 0.3936, 0.4006** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.9264, 0.2397, 0.2441**, and the grayscale version is **71.0587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **37.6677, 0.4116, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **66.6205, 0.4158, 0.4159**, and if you desaturate by 10%, it is **77.6406, 0.3722, 0.3840**.

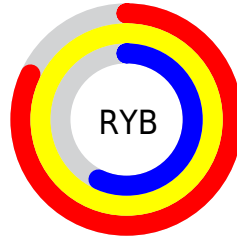
# Distribution



Red (100%)

Green (84%)

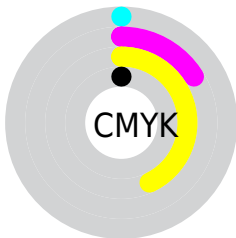
Blue (57%)



Red (82%)

Yellow (100%)

Blue (57%)

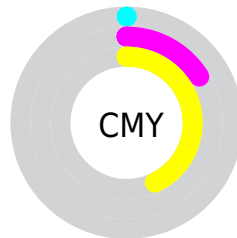


Cyan (0%)

Magenta (16%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9052, 0.3936, 0.4006 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 71.9052, 0.3936, 0.4006 by changing the saturation by 10% instead.



 71.9052, 0.3936,  
0.4006


 71.9052, 0.3936,  
0.4006

467.2116, 0.3567,  
0.3686

 53.0812, 0.4017,  
0.4074


 121.9217, 0.3810,  
0.3898

 37.8676, 0.4115,  
0.4156


 153.8831, 0.3760,  
0.3856

 25.8800, 0.4235,  
0.4253


190.9924, 0.3717,  
0.3818

 16.7339, 0.4383,  
0.4370

233.6340, 0.3679,  
0.3785

 10.0449, 0.4567,  
0.4509

282.1923, 0.3646,  
0.3756

 5.4288, 0.4809,  
0.4681

337.0518, 0.3617,

 2.5010, 0.5124,

0.3730

0.4876

398.5967, 0.3590,  
0.3707

0.8771, 0.5227,  
0.4773

0.0000, 0.0000,  
0.0000

71.9052, 0.3936,  
0.4006

71.9052, 0.3936,  
0.4006

66.6205, 0.4158,  
0.4159

77.6406, 0.3722,  
0.3840

61.7601, 0.4381,  
0.4287

83.8317, 0.3523,  
0.3669

57.3094, 0.4593,  
0.4379

90.4960, 0.3340,  
0.3501

53.2482, 0.4784,  
0.4424

97.6469, 0.3175,  
0.3339

■ 49.5529, 0.4943,  
0.4416

99.9986, 0.3127,  
0.3290

■ 47.2077, 0.5035,  
0.4384

# Harmonies

## Analogous

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



71.9052, 0.4094, 0.3680



71.9052, 0.3936, 0.4006



71.9052, 0.3562, 0.4166

# Triad

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



71.9052, 0.3936, 0.4006



71.9052, 0.2346, 0.3193



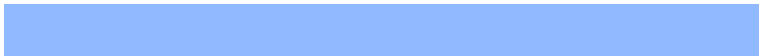
71.9052, 0.3107, 0.2660

# Complementary

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



71.9052, 0.3936, 0.4006



47.9264, 0.2397, 0.2441

# 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.



71.9052, 0.2658, 0.2524



71.9052, 0.3936, 0.4006



71.9052, 0.2245, 0.2790

# Square

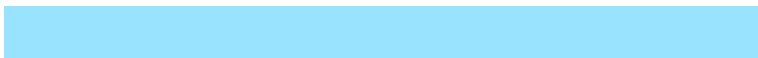
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9052, 0.3936, 0.4006



71.9052, 0.2645, 0.3676



71.9052, 0.2355, 0.2562



71.9052, 0.3598, 0.2934



# Rectangle

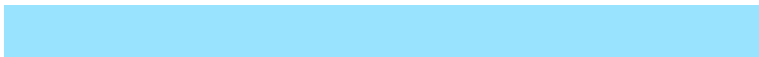
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.9052, 0.3936, 0.4006



71.9052, 0.3249, 0.4124



71.9052, 0.2355, 0.2562



71.9052, 0.2946, 0.2597

# Sweetspot

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



71.9086, 0.3936, 0.4006



90.5975, 0.3338, 0.3498



45.0238, 0.3837, 0.2872



19.0675, 0.3377, 0.3535



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.



71.9086, 0.3936, 0.4006



67.2050, 0.4133, 0.4143



92.1418, 0.3670, 0.4397



19.9152, 0.3278, 0.3441



24.9627, 0.5017, 0.4398



2.6385, 0.4898, 0.4493



# Inverse Universe

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



47.9264, 0.2397, 0.2441



40.3609, 0.2241, 0.2227



34.9067, 0.2412, 0.1977



18.4586, 0.2979, 0.3134



8.0926, 0.1654, 0.1155



0.9870, 0.1717, 0.1380



# Previews

## White Background



This preview shows how the Yxy color 71.9052, 0.3936, 0.4006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

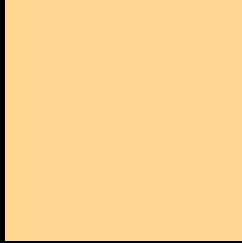
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9052, 0.3936, 0.4006 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 71.9052, 0.3936, 0.4006**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9052, 0.3936, 0.4006.



This preview shows how white text looks on a background with the Yxy color 71.9052, 0.3936, 0.4006.

# 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**

71.9052, 0.3936, 0.4006

**Protanopia**

72.1702, 0.3771, 0.4080

**Deuteranopia**

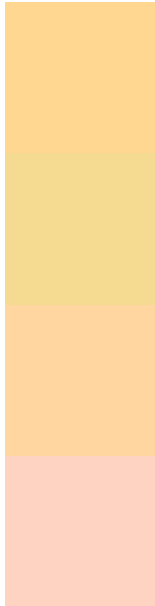
71.6757, 0.3778, 0.3755



## Tritanopia

72.0814, 0.3390, 0.3169

# Trichromacy



**Original Color**

71.9052, 0.3936, 0.4006

**Protanomaly**

72.1508, 0.3833, 0.4057

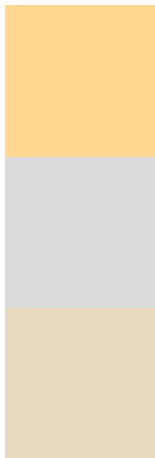
**Deuteranomaly**

71.8912, 0.3833, 0.3847

**Tritanomaly**

71.6988, 0.3596, 0.3476

# Monochromacy



**Original Color**

71.9052, 0.3936, 0.4006

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

71.1044, 0.3411, 0.3573

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9052, 0.3936, 0.4006 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, 215, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 145)  
}
```

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, 215, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9052, 0.3936, 0.4006 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, 215, 145) }
```

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

```
.border{ border-color:rgb(255, 215, 145) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9052, 0.3936, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 145) }
```

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

```
.background{ background-color: rgb(255,  
215, 145) }
```

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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