

# Converting Colors

$Y_{xy}(61.2957, 0.3975, 0.3700)$

Have a look what the booklet for  
Yxy(61.2957, 0.3975, 0.3700)  
contains.

<b>Yxy(61.2592, 0.3976, 0.3699)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.2592, 0.3976, 0.3699)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">FFC099</a>
RGB	<a href="#">255, 192, 153</a>
RGB Percent	<a href="#">100%, 75%, 60%</a>
CMY	<a href="#">0.0000, 0.2471, 0.3999</a>
CMYK	<a href="#">0.00, 0.25, 0.40, 0.00</a>
HSL	<a href="#">23°, 100%, 80%</a>
HSV	<a href="#">23°, 40%, 100%</a>
XYZ	<a href="#">65.8466, 61.2592, 38.5044</a>
YIQ	<a href="#">206.3910, 50.0670, 1.2270</a>

# Conversions

## Conversions Part 2

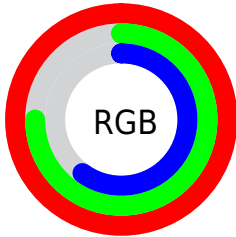
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 216, 153
Decimal	16760985
CIE <sub>Lab</sub>	82.52, 17.77, 28.43
CIE <sub>LCh</sub>	83, 33.526, 57.984
Yxy	61.2592, 0.3976, 0.3699
Android (android.graphics.Color)	4294951065 (0xFFFFC099)
YUV	206.3910, -26.3218, 42.6301
Hunter-Lab	78.2683, 13.2015, 25.6198

# Details

The Yxy color **61.2592, 0.3976, 0.3699** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.1263, 0.2503, 0.2834**, and the grayscale version is **62.1331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5654, 0.3416, 0.3695**, and **30.8720, 0.4185, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **53.9512, 0.4270, 0.3797**, and if you desaturate by 10%, it is **69.4869, 0.3715, 0.3594**.

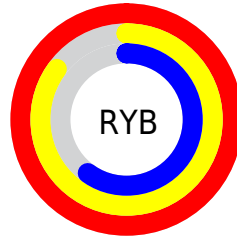
# Distribution



Red (100%)

Green (75%)

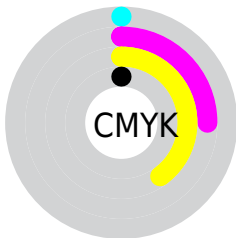
Blue (60%)



Red (100%)

Yellow (85%)

Blue (60%)

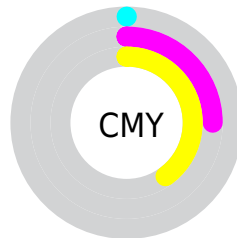


Cyan (0%)

Magenta (25%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2592, 0.3976, 0.3699 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 61.2592, 0.3976, 0.3699 by changing the saturation by 10% instead.




 61.2592, 0.3976,  
0.3699


 61.2592, 0.3976,  
0.3699


429.2237, 0.3569,  
0.3519

 44.4344, 0.4071,  
0.3737


 106.6541, 0.3833,  
0.3639

 31.0121, 0.4190,  
0.3781


 135.9931, 0.3778,  
0.3615

 20.6081, 0.4341,  
0.3832


170.2722, 0.3730,  
0.3594

 12.8378, 0.4538,  
0.3892

209.8758, 0.3689,  
0.3575

 7.3170, 0.4804,  
0.3957

255.1884, 0.3654,  
0.3559

 3.6611, 0.5183,  
0.4019

306.5943, 0.3622,

 1.4859, 0.5877,

0.3544

0.4123

364.4779, 0.3594,  
0.3531

0.2787, 0.7149,  
0.2851

0.0000, 0.0000,  
0.0000

61.2592, 0.3976,  
0.3699

61.2592, 0.3976,  
0.3699

53.9512, 0.4270,  
0.3797

69.4869, 0.3715,  
0.3594

47.5297, 0.4591,  
0.3876

78.6686, 0.3488,  
0.3488

41.9570, 0.4927,  
0.3926

88.8349, 0.3293,  
0.3386

37.1924, 0.5254,  
0.3933

100.0000, 0.3127,  
0.3290

■ 33.1910, 0.5544,  
0.3886

■ 29.8947, 0.5780,  
0.3793

■ 29.8908, 0.5780,  
0.3793

# Harmonies

## Analogous

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



61.2592, 0.3908, 0.3359



61.2592, 0.3976, 0.3699



61.2592, 0.3801, 0.3966

# Triad

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



61.2592, 0.3976, 0.3699



61.2592, 0.2644, 0.3560



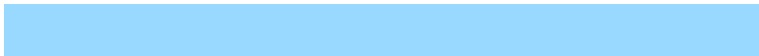
61.2592, 0.2773, 0.2616

# Complementary

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



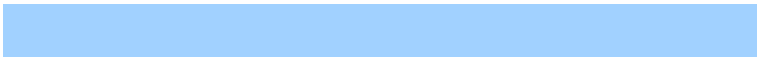
61.2592, 0.3976, 0.3699



63.1263, 0.2503, 0.2834

# 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.



61.2592, 0.2473, 0.2624



61.2592, 0.3976, 0.3699



61.2592, 0.2402, 0.3139

# Square

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



61.2592, 0.3976, 0.3699



61.2592, 0.3023, 0.3916



61.2592, 0.2343, 0.2803



61.2592, 0.3187, 0.2761



# Rectangle

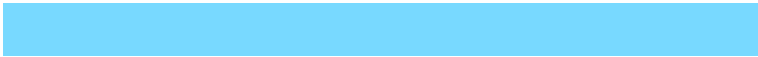
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.2592, 0.3976, 0.3699



61.2592, 0.3579, 0.4055



61.2592, 0.2343, 0.2803



61.2592, 0.2656, 0.2600

# Sweetspot

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



61.2586, 0.3976, 0.3699



86.7078, 0.3330, 0.3406



49.0950, 0.3499, 0.2633



18.2683, 0.3355, 0.3419



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.



61.2586, 0.3976, 0.3699



55.3314, 0.4209, 0.3778



86.7113, 0.3777, 0.4168



19.1248, 0.3285, 0.3381



15.8843, 0.5750, 0.3816



1.7498, 0.5538, 0.3984



# Inverse Universe

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



63.1263, 0.2503, 0.2834



57.3977, 0.2386, 0.2724



41.4972, 0.2407, 0.2223



19.2471, 0.2979, 0.3197



16.7697, 0.1885, 0.1984



1.8441, 0.1930, 0.2149



# Previews

## White Background



This preview shows how the Yxy color 61.2592, 0.3976, 0.3699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

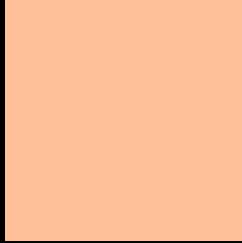
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2592, 0.3976, 0.3699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

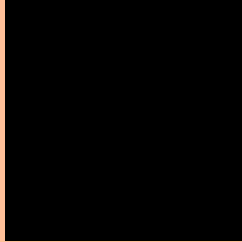
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.2592, 0.3976, 0.3699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2592, 0.3976, 0.3699.



This preview shows how white text looks on a background with the Yxy color 61.2592, 0.3976, 0.3699.

# 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

61.2592, 0.3976, 0.3699

### Protanopia

61.2259, 0.3579, 0.3824

### Deuteranopia

61.2542, 0.3862, 0.3779



## Tritanopia

61.3966, 0.3593, 0.3167

# Trichromacy



**Original Color**

61.2592, 0.3976, 0.3699

**Protanomaly**

60.8987, 0.3718, 0.3773

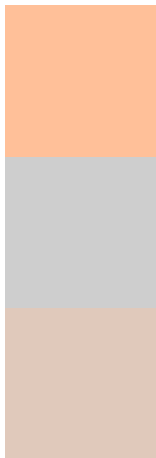
**Deuteranomaly**

61.0714, 0.3904, 0.3752

**Tritanomaly**

61.0741, 0.3734, 0.3355

# Monochromacy



**Original Color**

61.2592, 0.3976, 0.3699

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

61.2084, 0.3415, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2592, 0.3976, 0.3699 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, 192, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 153)  
}
```

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, 192, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2592, 0.3976, 0.3699 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, 192, 153) }
```

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

```
.border{ border-color:rgb(255, 192, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2592, 0.3976, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 153) }
```

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

```
.background{ background-color: rgb(255,  
192, 153) }
```

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