

Converting Colors

$Yxy(68.7702, 0.4211, 0.3768)$

Have a look what the booklet for
Yxy(68.7702, 0.4211, 0.3768)
contains.

Yxy(63.2991, 0.4002, 0.3811)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.2991, 0.4002, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	FFC593
RGB	255, 197, 147
RGB Percent	100%, 77%, 58%
CMY	0.0000, 0.2274, 0.4235
CMYK	0.00, 0.23, 0.42, 0.00
HSL	28°, 100%, 79%
HSV	28°, 42%, 100%
XYZ	66.4715, 63.2991, 36.3251
YIQ	208.6420, 50.6180, -3.2540

Conversions

Conversions Part 2

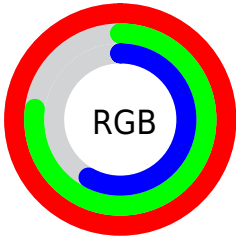
Format	Color
R _Y B	255, 240, 147
Decimal	16762259
CIE Lab	83.60, 14.51, 33.01
CIE LCh	84, 36.059, 66.277
Yxy	63.2991, 0.4002, 0.3811
Android (android.graphics.Color)	4294952339 (0xFFFFC593)
YUV	208.6420, -30.3895, 40.6560
Hunter-Lab	79.5607, 9.9022, 28.6224

Details

The Yxy color **63.2991, 0.4002, 0.3811** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.0875, 0.2450, 0.2694**, and the grayscale version is **63.6944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3607, 0.3450, 0.3811**, and **32.2252, 0.4212, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **56.6490, 0.4277, 0.3926**, and if you desaturate by 10%, it is **70.6976, 0.3752, 0.3686**.

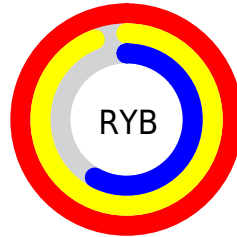
Distribution



Red (100%)

Green (77%)

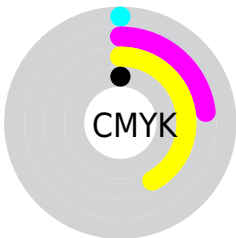
Blue (58%)



Red (100%)

Yellow (94%)

Blue (58%)

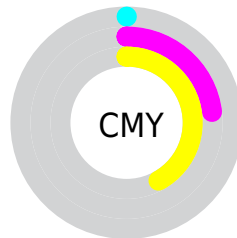


Cyan (0%)

Magenta (23%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2991, 0.4002, 0.3811 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 63.2991, 0.4002, 0.3811 by changing the saturation by 10% instead.


 63.2991, 0.4002,
0.3811

 63.2991, 0.4002,
0.3811

436.6542, 0.3587,
0.3580

 46.0832, 0.4097,
0.3860


 109.6009, 0.3857,
0.3734

 32.3115, 0.4215,
0.3917


 139.4556, 0.3801,
0.3703

 21.5995, 0.4363,
0.3984


174.2921, 0.3753,
0.3676

 13.5629, 0.4554,
0.4063


214.4947, 0.3711,
0.3652

 7.8173, 0.4804,
0.4150

260.4478, 0.3674,
0.3631

 3.9783, 0.5168,
0.4257

312.5358, 0.3642,

 1.6614, 0.5677,

0.3612

0.4323

371.1431, 0.3613,
0.3595

0.3985, 0.6478,
0.3522

0.0000, 0.0000,
0.0000

63.2991, 0.4002,
0.3811

63.2991, 0.4002,
0.3811

56.6490, 0.4277,
0.3926

70.6976, 0.3752,
0.3686

50.7113, 0.4569,
0.4019

78.8606, 0.3529,
0.3559

45.4603, 0.4864,
0.4077

87.8149, 0.3333,
0.3435

40.8642, 0.5145,
0.4089

97.5830, 0.3164,
0.3317

■ 36.8874, 0.5389,
0.4044

99.9984, 0.3127,
0.3290

■ 34.2290, 0.5546,
0.3978

Harmonies

Analogous

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



63.2991, 0.4006, 0.3462



63.2991, 0.4002, 0.3811



63.2991, 0.3752, 0.4058

Triad

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



63.2991, 0.4002, 0.3811



63.2991, 0.2526, 0.3452



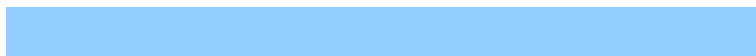
63.2991, 0.2863, 0.2604

Complementary

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



63.2991, 0.4002, 0.3811



57.0875, 0.2450, 0.2694

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.



63.2991, 0.2505, 0.2564



63.2991, 0.4002, 0.3811



63.2991, 0.2322, 0.3014

Square

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



63.2991, 0.4002, 0.3811



63.2991, 0.2894, 0.3871



63.2991, 0.2316, 0.2701



63.2991, 0.3320, 0.2797

Rectangle

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



63.2991, 0.4002, 0.3811



63.2991, 0.3490, 0.4114



63.2991, 0.2316, 0.2701



63.2991, 0.2728, 0.2572

Sweetspot

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



63.3021, 0.4002, 0.3811



87.2090, 0.3345, 0.3443



46.6075, 0.3617, 0.2682



18.2310, 0.3387, 0.3470



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.



63.3021, 0.4002, 0.3811



57.5050, 0.4239, 0.3911



91.4841, 0.3781, 0.4294



19.3732, 0.3283, 0.3400



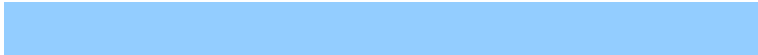
18.1783, 0.5519, 0.4000



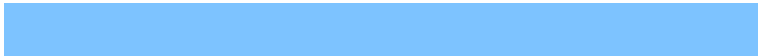
1.9858, 0.5330, 0.4150

Inverse Universe

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



57.0875, 0.2450, 0.2694



50.5116, 0.2317, 0.2546



36.0164, 0.2341, 0.2037



18.9936, 0.2979, 0.3177



13.4142, 0.1805, 0.1699



1.5248, 0.1860, 0.1894

Previews

White Background



This preview shows how the Yxy color 63.2991, 0.4002, 0.3811 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 63.2991, 0.4002, 0.3811 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 63.2991, 0.4002, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 63.2991, 0.4002, 0.3811.



This preview shows how white text looks on a background with the Yxy color 63.2991, 0.4002, 0.3811.

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

63.2991, 0.4002, 0.3811

Protanopia

63.2260, 0.3663, 0.3927

Deuteranopia

63.3403, 0.3938, 0.3864



Tritanopia

63.3671, 0.3543, 0.3157

Trichromacy



Original Color

63.2991, 0.4002, 0.3811

Protanomaly

63.0499, 0.3783, 0.3887

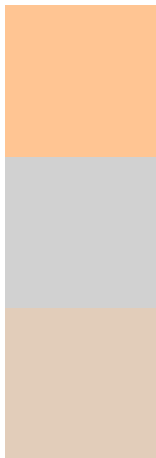
Deuteranomaly

63.4314, 0.3968, 0.3849

Tritanomaly

63.3043, 0.3711, 0.3396

Monochromacy



Original Color

63.2991, 0.4002, 0.3811

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.3766, 0.3431, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2991, 0.4002, 0.3811 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, 197, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 147)  
}
```

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, 197, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 147) }
```

Border

The CSS property to change the border of an element to Yxy 63.2991, 0.4002, 0.3811 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, 197, 147) }
```

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

```
.border{ border-color:rgb(255, 197, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2991, 0.4002, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 147) }
```

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

```
.background{ background-color: rgb(255,  
197, 147) }
```

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