

Converting Colors

$Yxy(69.8823, 0.3898, 0.3883)$

Have a look what the booklet for
Yxy(69.8823, 0.3898, 0.3883)
contains.

Yxy(69.6531, 0.3900, 0.3879)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.6531, 0.3900, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	FFD299
RGB	255, 210, 153
RGB Percent	100%, 82%, 60%
CMY	0.0001, 0.1764, 0.4001
CMYK	0.00, 0.18, 0.40, 0.00
HSL	34°, 100%, 80%
HSV	34°, 40%, 100%
XYZ	70.0302, 69.6531, 39.8813
YIQ	216.9570, 45.1170, -8.1870

Conversions

Conversions Part 2

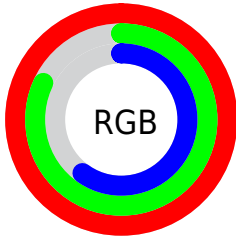
Format	Color
RYB	234, 255, 153
Decimal	16765593
CIELab	86.83, 8.38, 34.19
CIElCh	87, 35.201, 76.227
Yxy	69.6531, 0.3900, 0.3879
Android (android.graphics.Color)	4294955673 (0xFFFFD299)
YUV	216.9570, -31.5308, 33.3637
Hunter-Lab	83.4584, 3.7276, 30.0887

Details

The Yxy color **69.6531, 0.3900, 0.3879** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.3540, 0.2468, 0.2612**, and the grayscale version is **69.5540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **36.5868, 0.4083, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **63.5444, 0.4142, 0.4020**, and if you desaturate by 10%, it is **76.3383, 0.3675, 0.3729**.

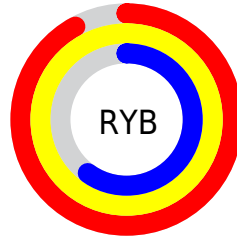
Distribution



Red (100%)

Green (82%)

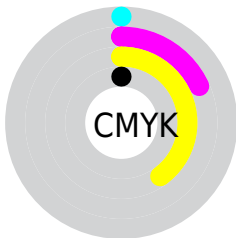
Blue (60%)



Red (92%)

Yellow (100%)

Blue (60%)

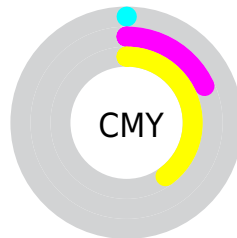


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6531, 0.3900, 0.3879 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 69.6531, 0.3900, 0.3879 by changing the saturation by 10% instead.

 69.6531, 0.3900,
0.3879

 69.6531, 0.3900,
0.3879

459.3310, 0.3542,
0.3616

 51.2438, 0.3981,
0.3936


 118.7139, 0.3776,
0.3790

 36.4027, 0.4079,
0.4003

 150.1342, 0.3728,
0.3755

 24.7453, 0.4202,
0.4085


186.6603, 0.3686,
0.3724

 15.8874, 0.4357,
0.4183

228.6765, 0.3650,
0.3697

 9.4445, 0.4557,
0.4302

276.5673, 0.3618,
0.3673

 5.0322, 0.4819,
0.4438

330.7171, 0.3589,

 2.2662, 0.5304,

0.3652

0.4696

391.5102, 0.3564,
0.3633

0.7557, 0.5505,
0.4495

0.0000, 0.0000,
0.0000

69.6531, 0.3900,
0.3879

69.6531, 0.3900,
0.3879

63.5444, 0.4142,
0.4020

76.3383, 0.3675,
0.3729

57.9828, 0.4393,
0.4141

83.6084, 0.3471,
0.3577

52.9504, 0.4645,
0.4230

91.4840, 0.3289,
0.3430

48.4241, 0.4881,
0.4275

99.9813, 0.3127,
0.3290

■ 44.3774, 0.5088, 99.9967, 0.3127,
0.4265 0.3290

■ 40.7735, 0.5260,
0.4206

Harmonies

Analogous

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



69.6531, 0.3985, 0.3571



69.6531, 0.3900, 0.3879



69.6531, 0.3604, 0.4055

Triad

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



69.6531, 0.3900, 0.3879



69.6531, 0.2473, 0.3301



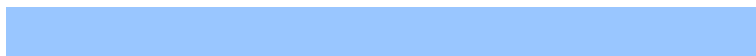
69.6531, 0.3016, 0.2684

Complementary

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



69.6531, 0.3900, 0.3879



54.3540, 0.2468, 0.2612

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.



69.6531, 0.2635, 0.2595



69.6531, 0.3900, 0.3879



69.6531, 0.2339, 0.2916

Square

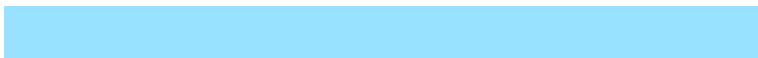
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6531, 0.3900, 0.3879



69.6531, 0.2779, 0.3719



69.6531, 0.2396, 0.2670



69.6531, 0.3455, 0.2908

Rectangle

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



69.6531, 0.3900, 0.3879



69.6531, 0.3334, 0.4052



69.6531, 0.2396, 0.2670



69.6531, 0.2877, 0.2638

Sweetspot

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



69.6564, 0.3900, 0.3879



89.8764, 0.3323, 0.3459



48.1509, 0.3679, 0.2816



19.0130, 0.3347, 0.3478



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.



69.6564, 0.3900, 0.3879



64.7341, 0.4092, 0.3993



94.1103, 0.3693, 0.4297



19.6720, 0.3280, 0.3423



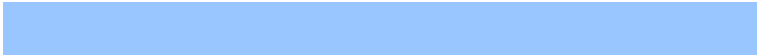
21.6110, 0.5237, 0.4223



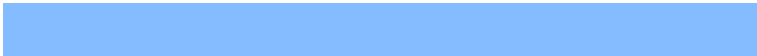
2.3220, 0.5085, 0.4344

Inverse Universe

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



54.3540, 0.2468, 0.2612



47.5285, 0.2334, 0.2447



37.2724, 0.2415, 0.2067



18.6956, 0.2979, 0.3153



10.1620, 0.1717, 0.1382



1.2028, 0.1778, 0.1601

Previews

White Background



This preview shows how the Yxy color 69.6531, 0.3900, 0.3879 looks on a white background.

Color Contrast Check

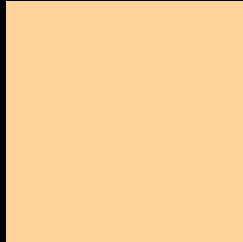
Large Text (above 18pt) WCAG AA × Fail

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 69.6531, 0.3900, 0.3879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

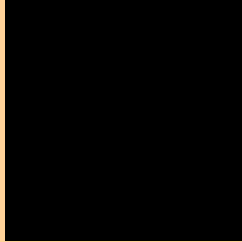
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6531, 0.3900, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 69.6531, 0.3900, 0.3879.



This preview shows how white text looks on a background with the Yxy color 69.6531, 0.3900, 0.3879.

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

69.6531, 0.3900, 0.3879

Protanopia

69.5184, 0.3685, 0.3956

Deuteranopia

69.4696, 0.3837, 0.3777



Tritanopia

69.4555, 0.3427, 0.3159

Trichromacy



Original Color

69.6531, 0.3900, 0.3879

Protanomaly

69.3369, 0.3766, 0.3922

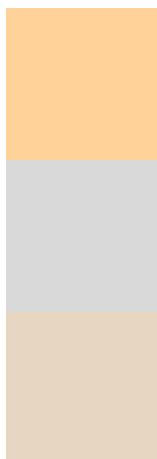
Deuteranomaly

69.3641, 0.3859, 0.3808

Tritanomaly

69.2977, 0.3600, 0.3415

Monochromacy



Original Color

69.6531, 0.3900, 0.3879

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.9771, 0.3396, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6531, 0.3900, 0.3879 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, 210, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 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, 210, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 153) }
```

Border

The CSS property to change the border of an element to Yxy 69.6531, 0.3900, 0.3879 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, 210, 153) }
```

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

```
.border{ border-color:rgb(255, 210, 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, 210, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6531, 0.3900, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 153) }
```

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

```
.background{ background-color: rgb(255,  
210, 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](#).

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