

Converting Colors

$Y_{xy}(100.0000, 0.4800, 0.3745)$

Have a look what the booklet for
Yxy(100.0000, 0.4800, 0.3745)
contains.

Yxy(69.8621, 0.3961, 0.3978)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.8621, 0.3961, 0.3978)

Conversions

Conversions Part 1

Format	Color
Hex	FFD390
RGB	255, 211, 144
RGB Percent	100%, 83%, 56%
CMY	0.0001, 0.1725, 0.4354
CMYK	0.00, 0.17, 0.44, 0.00
HSL	36°, 100%, 78%
HSV	36°, 44%, 100%
XYZ	69.5635, 69.8621, 36.1955
YIQ	216.5180, 47.7310, -11.5090

Conversions

Conversions Part 2

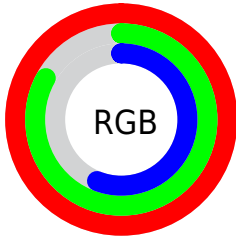
Format	Color
R _Y B	217, 255, 144
Decimal	16765840
CIE Lab	86.93, 6.93, 38.92
CIE LCh	87, 39.530, 79.899
Yxy	69.8621, 0.3961, 0.3978
Android (android.graphics.Color)	4294955920 (0xFFFFD390)
YUV	216.5180, -35.7514, 33.7487
Hunter-Lab	83.5836, 2.2878, 32.8332

Details

The Yxy color **69.8621, 0.3961, 0.3978** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.0943, 0.2398, 0.2477**, and the grayscale version is **69.2658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **36.6224, 0.4147, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **64.3091, 0.4193, 0.4123**, and if you desaturate by 10%, it is **75.9132, 0.3740, 0.3820**.

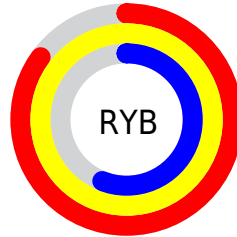
Distribution



Red (100%)

Green (83%)

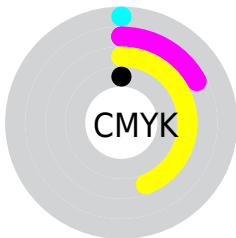
Blue (56%)



Red (85%)

Yellow (100%)

Blue (56%)

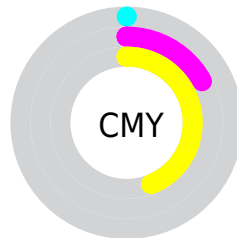


Cyan (0%)

Magenta (17%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8621, 0.3961, 0.3978 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 69.8621, 0.3961, 0.3978 by changing the saturation by 10% instead.


 69.8621, 0.3961,
0.3978


 69.8621, 0.3961,
0.3978


460.0657, 0.3577,
0.3671

 51.4141, 0.4046,
0.4043


 119.0121, 0.3829,
0.3875

 36.5383, 0.4149,
0.4121

 150.4829, 0.3778,
0.3834

 24.8502, 0.4276,
0.4214


187.0634, 0.3733,
0.3798

 15.9655, 0.4434,
0.4324

229.1380, 0.3694,
0.3766

 9.4997, 0.4631,
0.4454

277.0912, 0.3659,
0.3738

 5.0686, 0.4902,
0.4619

331.3072, 0.3629,

 2.2875, 0.5231,

0.3713

0.4769

392.1706, 0.3602,
0.3691

0.7671, 0.5398,
0.4602

0.0000, 0.0000,
0.0000

69.8621, 0.3961,
0.3978

69.8621, 0.3961,
0.3978

64.3091, 0.4193,
0.4123

75.9132, 0.3740,
0.3820

59.2265, 0.4428,
0.4244

82.4690, 0.3535,
0.3657

54.5982, 0.4655,
0.4328

89.5482, 0.3349,
0.3496

50.4025, 0.4861,
0.4364

97.1654, 0.3182,
0.3342

■ 46.6141, 0.5033,
0.4346

99.9976, 0.3127,
0.3290

■ 44.3605, 0.5129,
0.4310

Harmonies

Analogous

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



69.8621, 0.4093, 0.3642



69.8621, 0.3961, 0.3978



69.8621, 0.3604, 0.4159

Triad

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



69.8621, 0.3961, 0.3978



69.8621, 0.2368, 0.3240



69.8621, 0.3059, 0.2641

Complementary

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



69.8621, 0.3961, 0.3978



49.0943, 0.2398, 0.2477

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.



69.8621, 0.2621, 0.2521



69.8621, 0.3961, 0.3978



69.8621, 0.2248, 0.2824

Square

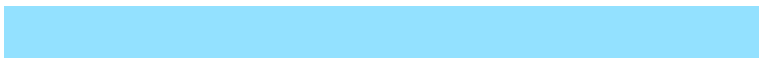
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8621, 0.3961, 0.3978



69.8621, 0.2685, 0.3721



69.8621, 0.2336, 0.2577



69.8621, 0.3551, 0.2903

Rectangle

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



69.8621, 0.3961, 0.3978



69.8621, 0.3296, 0.4137



69.8621, 0.2336, 0.2577



69.8621, 0.2901, 0.2583

Sweetspot

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



69.8654, 0.3961, 0.3978



89.9515, 0.3339, 0.3488



44.8458, 0.3807, 0.2830



18.9077, 0.3378, 0.3523



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.



69.8654, 0.3961, 0.3978



65.1375, 0.4157, 0.4102



92.7376, 0.3700, 0.4396



19.8122, 0.3279, 0.3433



23.4817, 0.5109, 0.4325



2.4998, 0.4976, 0.4431

Inverse Universe

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



49.0943, 0.2398, 0.2477



42.0191, 0.2253, 0.2284



34.1367, 0.2379, 0.1954



18.5584, 0.2979, 0.3142



8.9089, 0.1680, 0.1247



1.0735, 0.1742, 0.1471

Previews

White Background



This preview shows how the Yxy color 69.8621, 0.3961, 0.3978 looks on a white background.

Color Contrast Check

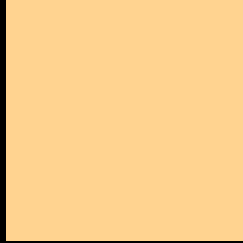
Large Text (above 18pt) WCAG AA × Fail

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 69.8621, 0.3961, 0.3978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

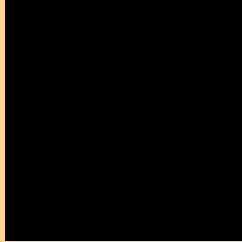
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8621, 0.3961, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 69.8621, 0.3961, 0.3978.



This preview shows how white text looks on a background with the Yxy color 69.8621, 0.3961, 0.3978.

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

69.8621, 0.3961, 0.3978

Protanopia

70.0823, 0.3759, 0.4058

Deuteranopia

69.8564, 0.3856, 0.3818



Tritanopia

69.9324, 0.3425, 0.3169

Trichromacy



Original Color

69.8621, 0.3961, 0.3978

Protanomaly

69.7309, 0.3834, 0.4023

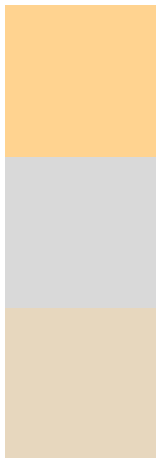
Deuteranomaly

69.6863, 0.3893, 0.3869

Tritanomaly

69.6034, 0.3629, 0.3467

Monochromacy



Original Color

69.8621, 0.3961, 0.3978

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3075, 0.3423, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8621, 0.3961, 0.3978 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, 211, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 144)  
}
```

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, 211, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 144) }
```

Border

The CSS property to change the border of an element to Yxy 69.8621, 0.3961, 0.3978 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, 211, 144) }
```

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

```
.border{ border-color:rgb(255, 211, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8621, 0.3961, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 144) }
```

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

```
.background{ background-color: rgb(255,  
211, 144) }
```

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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