

Converting Colors

$Y_{xy}(101.9705, 0.4820, 0.3792)$

Have a look what the booklet for
Yxy(101.9705, 0.4820, 0.3792)
contains.

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Color

Yxy(71.2172, 0.3982, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	FFD68B
RGB	255, 214, 139
RGB Percent	100%, 84%, 55%
CMY	0.0001, 0.1607, 0.4550
CMYK	0.00, 0.16, 0.45, 0.00
HSL	39°, 100%, 77%
HSV	39°, 45%, 100%
XYZ	69.9351, 71.2172, 34.4758
YIQ	217.7090, 48.5110, -14.6330

Conversions

Conversions Part 2

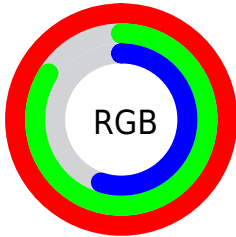
Format	Color
R_{YB}	202, 255, 139
Decimal	16766603
CIE _{Lab}	87.59, 4.88, 42.29
CIE _{LCh}	88, 42.569, 83.413
Yxy	71.2172, 0.3982, 0.4055
Android (android.graphics.Color)	4294956683 (0xFFFFD68B)
YUV	217.7090, -38.8035, 32.7042
Hunter-Lab	84.3903, 0.2418, 34.8516

Details

The Yxy color **71.2172, 0.3982, 0.4055** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.3129, 0.2352, 0.2369**, and the grayscale version is **70.1458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **37.2202, 0.4174, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **66.1294, 0.4202, 0.4205**, and if you desaturate by 10%, it is **76.7372, 0.3768, 0.3889**.

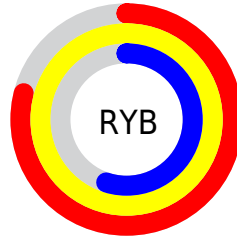
Distribution



Red (100%)

Green (84%)

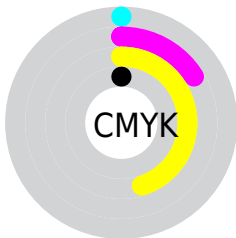
Blue (55%)



Red (79%)

Yellow (100%)

Blue (55%)

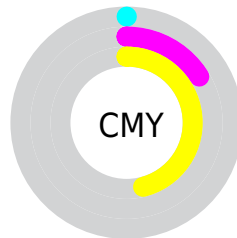


Cyan (0%)

Magenta (16%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2172, 0.3982, 0.4055 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 71.2172, 0.3982, 0.4055 by changing the saturation by 10% instead.


 71.2172, 0.3982,
0.4055


 71.2172, 0.3982,
0.4055


464.8124, 0.3592,
0.3714

 52.5195, 0.4067,
0.4127

 120.9429, 0.3850,
0.3941

 37.4193, 0.4169,
0.4213


 152.7397, 0.3797,
0.3895

 25.5323, 0.4293,
0.4315


 189.6717, 0.3752,
0.3855

 16.4741, 0.4445,
0.4435

232.1232, 0.3712,
0.3820

 9.8602, 0.4630,
0.4575

280.4786, 0.3677,
0.3789

 5.3064, 0.4897,
0.4771

335.1223, 0.3645,

 2.4281, 0.5122,

0.3761

0.4878

396.4388, 0.3618,
0.3736

0.8403, 0.5227,
0.4773

0.0000, 0.0000,
0.0000

71.2172, 0.3982,
0.4055

71.2172, 0.3982,
0.4055

66.1294, 0.4202,
0.4205

76.7372, 0.3768,
0.3889

61.4474, 0.4419,
0.4328

82.6944, 0.3567,
0.3716

57.1566, 0.4623,
0.4412

89.1060, 0.3381,
0.3544

53.2367, 0.4802,
0.4447

95.9852, 0.3212,
0.3378

■ 49.6632, 0.4948,
0.4429

99.9930, 0.3127,
0.3290

■ 48.1515, 0.5005,
0.4408

Harmonies

Analogous

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



71.2172, 0.4159, 0.3707



71.2172, 0.3982, 0.4055



71.2172, 0.3578, 0.4227

Triad

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



71.2172, 0.3982, 0.4055



71.2172, 0.2292, 0.3174



71.2172, 0.3114, 0.2626

Complementary

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



71.2172, 0.3982, 0.4055



45.3129, 0.2352, 0.2369

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.



71.2172, 0.2634, 0.2479



71.2172, 0.3982, 0.4055



71.2172, 0.2192, 0.2748

Square

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



71.2172, 0.3982, 0.4055



71.2172, 0.2605, 0.3694



71.2172, 0.2311, 0.2513



71.2172, 0.3638, 0.2918

Rectangle

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



71.2172, 0.3982, 0.4055



71.2172, 0.3244, 0.4182



71.2172, 0.2311, 0.2513



71.2172, 0.2942, 0.2559

Sweetspot

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



71.2206, 0.3982, 0.4055



90.1322, 0.3355, 0.3519



43.0678, 0.3894, 0.2850



18.9842, 0.3393, 0.3555



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.



71.2206, 0.3982, 0.4055



66.3920, 0.4191, 0.4199



91.7973, 0.3696, 0.4454



19.9484, 0.3278, 0.3443



25.4599, 0.4988, 0.4421



2.6847, 0.4874, 0.4512

Inverse Universe

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



45.3129, 0.2352, 0.2369



37.4901, 0.2186, 0.2134



32.5887, 0.2365, 0.1895



18.4266, 0.2979, 0.3132



7.8474, 0.1646, 0.1127



0.9605, 0.1709, 0.1351

Previews

White Background



This preview shows how the Yxy color 71.2172, 0.3982, 0.4055 looks on a white background.

Color Contrast Check

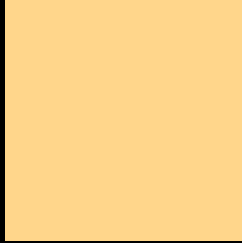
Large Text (above 18pt) WCAG AA × Fail

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 71.2172, 0.3982, 0.4055 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 71.2172, 0.3982, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 71.2172, 0.3982, 0.4055.



This preview shows how white text looks on a background with the Yxy color 71.2172, 0.3982, 0.4055.

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

71.2172, 0.3982, 0.4055

Protanopia

71.4602, 0.3816, 0.4131

Deuteranopia

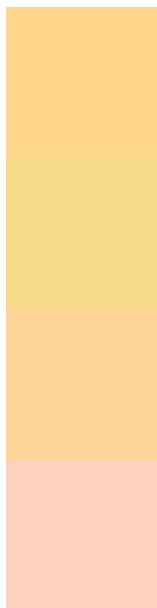
70.9913, 0.3818, 0.3797



Tritanopia

71.0530, 0.3400, 0.3159

Trichromacy



Original Color

71.2172, 0.3982, 0.4055

Protanomaly

71.4487, 0.3878, 0.4107

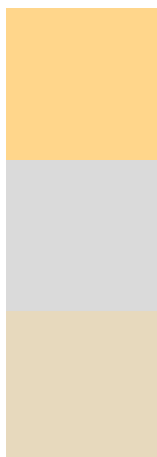
Deuteranomaly

71.1816, 0.3880, 0.3898

Tritanomaly

71.1148, 0.3613, 0.3487

Monochromacy



Original Color

71.2172, 0.3982, 0.4055

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2888, 0.3426, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2172, 0.3982, 0.4055 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, 214, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 139)  
}
```

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, 214, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 139) }
```

Border

The CSS property to change the border of an element to Yxy 71.2172, 0.3982, 0.4055 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, 214, 139) }
```

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

```
.border{ border-color:rgb(255, 214, 139) }
```

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

Here you see how a box with a 4 pixel rgb(255, 214, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2172, 0.3982, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 139) }
```

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

```
.background{ background-color: rgb(255,  
214, 139) }
```

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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