

Converting Colors

$Y_{xy}(100.0000, 0.4576, 0.3538)$

Have a look what the booklet for
Yxy(100.0000, 0.4576, 0.3538)
contains.

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Color

Yxy(70.4878, 0.3727, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	FFD2B0
RGB	255, 210, 176
RGB Percent	100%, 82%, 69%
CMY	0.0002, 0.1764, 0.3097
CMYK	0.00, 0.18, 0.31, 0.00
HSL	26°, 100%, 85%
HSV	26°, 31%, 100%
XYZ	72.1131, 70.4878, 50.8874
YIQ	219.5790, 37.7340, -1.0340

Conversions

Conversions Part 2

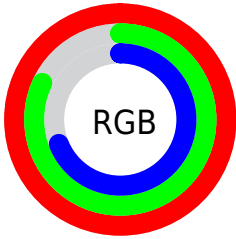
Format	Color
R _Y B	255, 236, 176
Decimal	16765616
CIE Lab	87.24, 11.05, 22.78
CIE LCh	87, 25.323, 64.125
Yxy	70.4878, 0.3727, 0.3643
Android (android.graphics.Color)	4294955696 (0xFFFFD2B0)
YUV	219.5790, -21.4844, 31.0642
Hunter-Lab	83.9570, 6.3940, 22.8335

Details

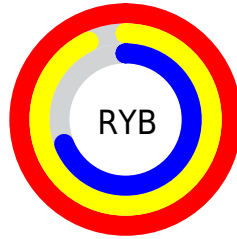
The Yxy color **70.4878, 0.3727, 0.3643** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.1392, 0.2636, 0.2907**, and the grayscale version is **71.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **37.0773, 0.3871, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **62.7290, 0.3981, 0.3760**, and if you desaturate by 10%, it is **79.0927, 0.3504, 0.3524**.

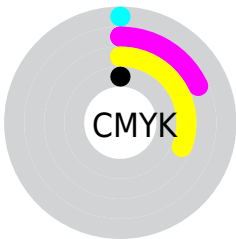
Distribution



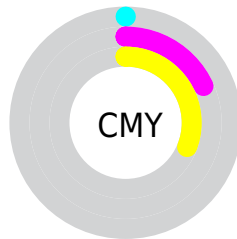
- Red (100%)
- Green (82%)
- Blue (69%)



- Red (100%)
- Yellow (93%)
- Blue (69%)



- Cyan (0%)
- Magenta (18%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4878, 0.3727, 0.3643 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 70.4878, 0.3727, 0.3643 by changing the saturation by 10% instead.

 70.4878, 0.3727,
0.3643

 70.4878, 0.3727,
0.3643


462.2609, 0.3446,
0.3485

 51.9243, 0.3791,
0.3677

 119.9041, 0.3629,
0.3590

 36.9447, 0.3871,
0.3719


151.5258, 0.3591,
0.3568

 25.1647, 0.3972,
0.3769


188.2689, 0.3559,
0.3550

 16.1998, 0.4103,
0.3832

230.5179, 0.3530,
0.3534

 9.6657, 0.4280,
0.3911

278.6572, 0.3505,
0.3520

 5.1778, 0.4529,
0.4009

333.0713, 0.3483,

 2.3520, 0.4962,

0.3507

0.4177

394.1443, 0.3464,
0.3496

0.8010, 0.5662,
0.4338

0.0000, 0.0000,
0.0000

70.4878, 0.3727,
0.3643

70.4878, 0.3727,
0.3643

62.7290, 0.3981,
0.3760

79.0927, 0.3504,
0.3524

55.7786, 0.4262,
0.3869

88.5603, 0.3309,
0.3409

49.6104, 0.4566,
0.3958

98.9188, 0.3142,
0.3300

44.1925, 0.4878,
0.4015

99.9922, 0.3127,
0.3290

■ 39.4902, 0.5178,
0.4027

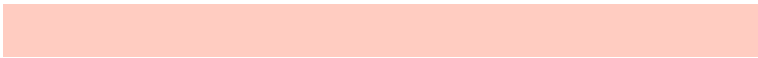
■ 35.4648, 0.5443,
0.3984

■ 32.3655, 0.5641,
0.3903

Harmonies

Analogous

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



70.4878, 0.3712, 0.3402



70.4878, 0.3727, 0.3643



70.4878, 0.3574, 0.3807

Triad

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



70.4878, 0.3727, 0.3643



70.4878, 0.2731, 0.3424



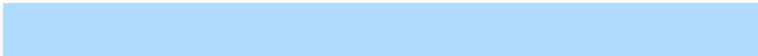
70.4878, 0.2930, 0.2805

Complementary

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



70.4878, 0.3727, 0.3643



68.1392, 0.2636, 0.2907

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.



70.4878, 0.2685, 0.2791



70.4878, 0.3727, 0.3643



70.4878, 0.2575, 0.3132

Square

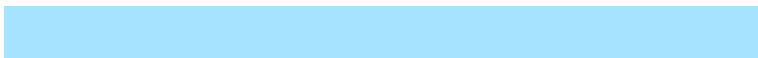
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4878, 0.3727, 0.3643



70.4878, 0.2995, 0.3690



70.4878, 0.2559, 0.2903



70.4878, 0.3239, 0.2934

Rectangle

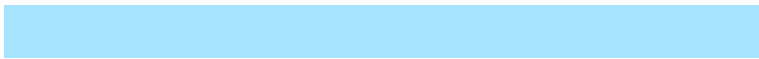
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4878, 0.3727, 0.3643



70.4878, 0.3402, 0.3842



70.4878, 0.2559, 0.2903



70.4878, 0.2838, 0.2786

Sweetspot

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



70.4911, 0.3727, 0.3643



90.5549, 0.3275, 0.3387



57.5874, 0.3427, 0.2821



19.0703, 0.3300, 0.3403



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.



70.4911, 0.3727, 0.3643



65.7296, 0.3877, 0.3714



91.7566, 0.3614, 0.4008



19.2738, 0.3283, 0.3393



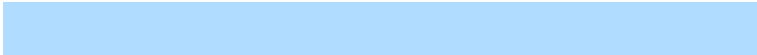
17.2007, 0.5613, 0.3925



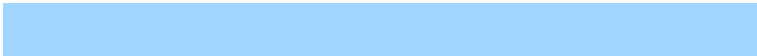
1.8867, 0.5413, 0.4084

Inverse Universe

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



68.1392, 0.2636, 0.2907



63.0362, 0.2541, 0.2819



50.1503, 0.2583, 0.2453



19.0943, 0.2979, 0.3185



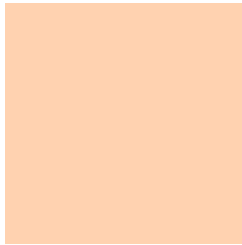
14.6824, 0.1837, 0.1811



1.6467, 0.1888, 0.1995

Previews

White Background



This preview shows how the Yxy color 70.4878, 0.3727, 0.3643 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 70.4878, 0.3727, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

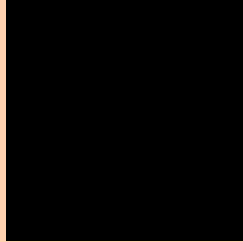
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4878, 0.3727, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 70.4878, 0.3727, 0.3643.



This preview shows how white text looks on a background with the Yxy color 70.4878, 0.3727, 0.3643.

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

70.4878, 0.3727, 0.3643

Protanopia

70.4270, 0.3488, 0.3707

Deuteranopia

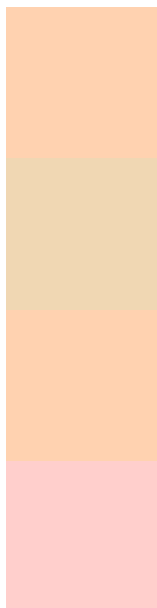
70.4878, 0.3727, 0.3643



Tritanopia

70.5699, 0.3401, 0.3149

Trichromacy



Original Color

70.4878, 0.3727, 0.3643

Protanomaly

70.3808, 0.3573, 0.3678

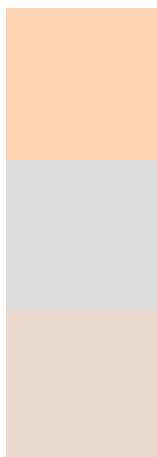
Deuteranomaly

70.4878, 0.3727, 0.3643

Tritanomaly

70.2453, 0.3521, 0.3322

Monochromacy



Original Color

70.4878, 0.3727, 0.3643

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.7950, 0.3336, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4878, 0.3727, 0.3643 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 176) }
```

Border

The CSS property to change the border of an element to Yxy 70.4878, 0.3727, 0.3643 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, 176) }
```

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

```
.border{ border-color:rgb(255, 210, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4878, 0.3727, 0.3643 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, 176) }
```

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

```
.background{ background-color: rgb(255,  
210, 176) }
```

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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