

Converting Colors

$Y_{xy}(120.4050, 0.4706, 0.3593)$

Have a look what the booklet for
Yxy(120.4050, 0.4706, 0.3593)
contains.

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Color

Yxy(78.3248, 0.3668, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	FFE1B2
RGB	255, 225, 178
RGB Percent	100%, 88%, 70%
CMY	0.0000, 0.1176, 0.3019
CMYK	0.00, 0.12, 0.30, 0.00
HSL	37°, 100%, 85%
HSV	37°, 30%, 100%
XYZ	76.2057, 78.3248, 53.2276
YIQ	228.6120, 32.9670, -8.2570

Conversions

Conversions Part 2

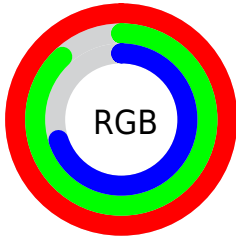
Format	Color
R_{YB}	227, 255, 178
Decimal	16769458
CIE _{Lab}	90.93, 3.60, 26.81
CIE _{LCh}	91, 27.048, 82.342
Yxy	78.3248, 0.3668, 0.3770
Android (android.graphics.Color)	4294959538 (0xFFFFE1B2)
YUV	228.6120, -24.9517, 23.1423
Hunter-Lab	88.5013, -1.1766, 26.2919

Details

The Yxy color **78.3248, 0.3668, 0.3770** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.8048, 0.2630, 0.2757**, and the grayscale version is **78.2239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **42.1004, 0.3786, 0.3878** is the 20% darker color. If you saturate the color by 10%, you get **72.1775, 0.3883, 0.3932**, and if you desaturate by 10%, it is **84.9772, 0.3470, 0.3606**.

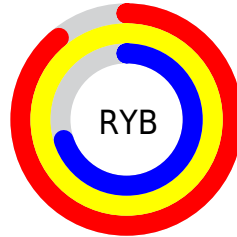
Distribution



Red (100%)

Green (88%)

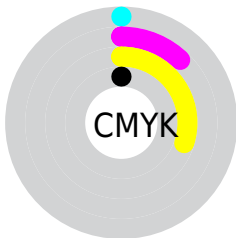
Blue (70%)



Red (89%)

Yellow (100%)

Blue (70%)

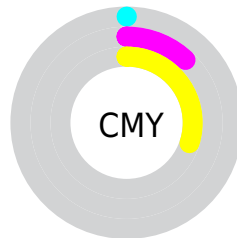


Cyan (0%)

Magenta (12%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3248, 0.3668, 0.3770 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 78.3248, 0.3668, 0.3770 by changing the saturation by 10% instead.

 78.3248, 0.3668,
0.3770

 78.3248, 0.3668,
0.3770


489.2692, 0.3422,
0.3554

 58.3408, 0.3723,
0.3817


 131.0079, 0.3584,
0.3697

 42.0827, 0.3790,
0.3874


164.4758, 0.3550,
0.3668

 29.1661, 0.3873,
0.3945


203.2071, 0.3522,
0.3643

 19.2065, 0.3979,
0.4034

247.5863, 0.3497,
0.3621

 11.8196, 0.4118,
0.4147

297.9977, 0.3475,
0.3601

 6.6209, 0.4305,
0.4296

354.8257, 0.3455,

 3.2262, 0.4584,

0.3584

0.4510

418.4547, 0.3437,
0.3568

■ 1.2509, 0.5102,
0.4898

■ 0.1027, 0.6438,
0.3562

■ 78.3248, 0.3668,
0.3770

■ 78.3248, 0.3668,
0.3770

■ 72.1775, 0.3883,
0.3932

■ 84.9772, 0.3470,
0.3606

■ 66.5165, 0.4110,
0.4085

■ 92.1466, 0.3291,
0.3446

■ 61.3257, 0.4343,
0.4216

99.8480, 0.3130,
0.3293

■ 56.5866, 0.4571,
0.4315

100.0000, 0.3127,
0.3290

■ 52.2787, 0.4782,
0.4369

■ 48.3783, 0.4964,
0.4371

■ 44.9144, 0.5110,
0.4325

Harmonies

Analogous

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



78.3248, 0.3762, 0.3561



78.3248, 0.3668, 0.3770



78.3248, 0.3428, 0.3859

Triad

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



78.3248, 0.3668, 0.3770



78.3248, 0.2606, 0.3241



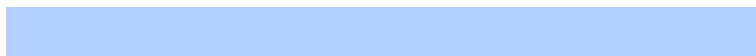
78.3248, 0.3114, 0.2859

Complementary

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



78.3248, 0.3668, 0.3770



61.8048, 0.2630, 0.2757

Split Complementary

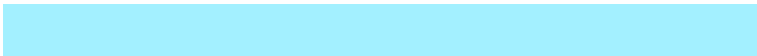
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3248, 0.2813, 0.2770



78.3248, 0.3668, 0.3770



78.3248, 0.2531, 0.2971

Square

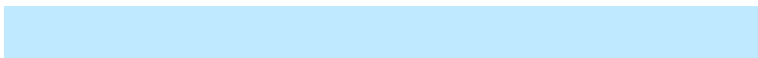
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3248, 0.3668, 0.3770



78.3248, 0.2816, 0.3546



78.3248, 0.2604, 0.2805



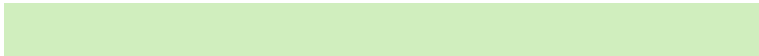
78.3248, 0.3433, 0.3049

Rectangle

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



78.3248, 0.3668, 0.3770



78.3248, 0.3222, 0.3826



78.3248, 0.2604, 0.2805



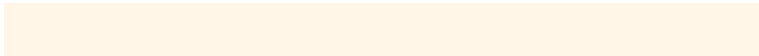
78.3248, 0.3007, 0.2816

Sweetspot

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



78.3259, 0.3668, 0.3770



93.0353, 0.3270, 0.3427



57.7004, 0.3537, 0.2973



19.6811, 0.3295, 0.3450



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.



78.3259, 0.3668, 0.3770



74.6938, 0.3791, 0.3865



94.5639, 0.3533, 0.4061



19.8326, 0.3279, 0.3435



23.7675, 0.5091, 0.4340



2.5267, 0.4960, 0.4443

Inverse Universe

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



61.8048, 0.2630, 0.2757



55.8615, 0.2528, 0.2635



49.4696, 0.2643, 0.2414



18.5386, 0.2979, 0.3141



8.7405, 0.1675, 0.1228



1.0558, 0.1737, 0.1453

Previews

White Background



This preview shows how the Yxy color 78.3248, 0.3668, 0.3770 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 78.3248, 0.3668, 0.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

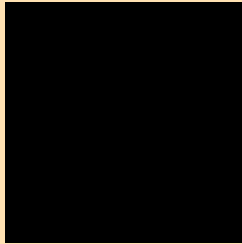
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3248, 0.3668, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 78.3248, 0.3668, 0.3770.

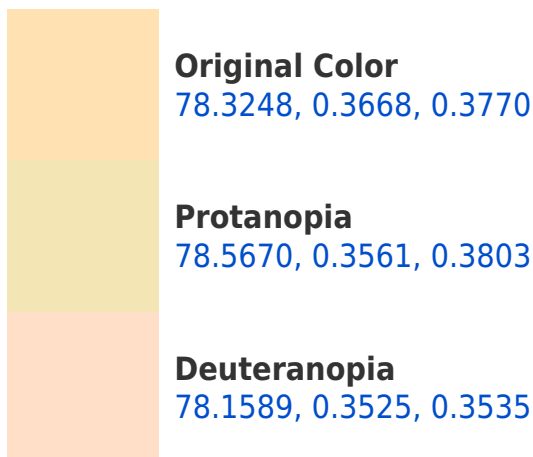


This preview shows how white text looks on a background with the Yxy color 78.3248, 0.3668, 0.3770.

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

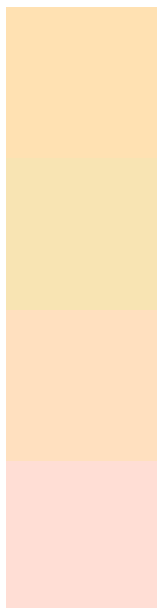




Tritanopia

78.3296, 0.3291, 0.3161

Trichromacy



Original Color

78.3248, 0.3668, 0.3770

Protanomaly

78.6979, 0.3600, 0.3798

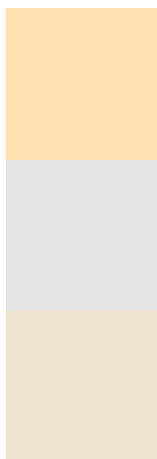
Deuteranomaly

78.3329, 0.3579, 0.3627

Tritanomaly

78.3066, 0.3428, 0.3382

Monochromacy



Original Color

78.3248, 0.3668, 0.3770

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3171, 0.3316, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3248, 0.3668, 0.3770 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, 225, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 178)  
}
```

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, 225, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 178) }
```

Border

The CSS property to change the border of an element to Yxy 78.3248, 0.3668, 0.3770 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, 225, 178) }
```

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

```
.border{ border-color:rgb(255, 225, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3248, 0.3668, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 178) }
```

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

```
.background{ background-color: rgb(255,  
225, 178) }
```

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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