

Converting Colors

$Y_{xy}(100.0000, 0.4364, 0.3723)$

Have a look what the booklet for
Yxy(100.0000, 0.4364, 0.3723)
contains.

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Color

Yxy(78.5550, 0.3720, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2AA
RGB	255, 226, 170
RGB Percent	100%, 89%, 67%
CMY	0.0001, 0.1137, 0.3332
CMYK	0.00, 0.11, 0.33, 0.00
HSL	40°, 100%, 83%
HSV	40°, 33%, 100%
XYZ	75.6862, 78.5550, 49.2164
YIQ	228.2870, 35.2600, -11.2680

Conversions

Conversions Part 2

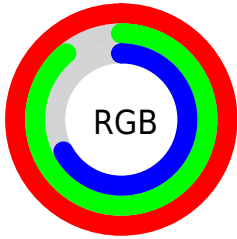
Format	Color
R_{YB}	214, 255, 170
Decimal	16769706
CIE _{Lab}	91.03, 2.10, 31.05
CIE _{LCh}	91, 31.120, 86.139
Yxy	78.5550, 0.3720, 0.3861
Android (android.graphics.Color)	4294959786 (0xFFFFE2AA)
YUV	228.2870, -28.7355, 23.4273
Hunter-Lab	88.6313, -2.6755, 29.1185

Details

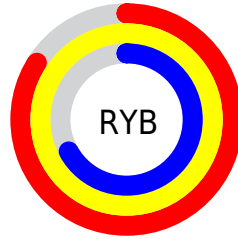
The Yxy color **78.5550, 0.3720, 0.3861** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.6071, 0.2569, 0.2642**, and the grayscale version is **78.0008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **42.2805, 0.3852, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **73.0767, 0.3929, 0.4032**, and if you desaturate by 10%, it is **84.4673, 0.3523, 0.3685**.

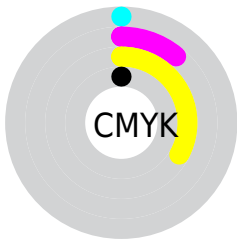
Distribution



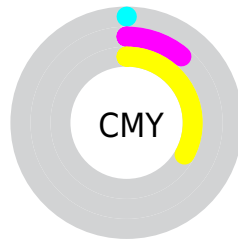
- Red (100%)
- Green (89%)
- Blue (67%)



- Red (84%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (11%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5550, 0.3720, 0.3861 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 78.5550, 0.3720, 0.3861 by changing the saturation by 10% instead.


 78.5550, 0.3720,
0.3861

 78.5550, 0.3720,
0.3861


490.0496, 0.3451,
0.3605

 58.5300, 0.3779,
0.3917


 131.3322, 0.3628,
0.3774

 42.2349, 0.3851,
0.3985


164.8532, 0.3592,
0.3740

 29.2853, 0.3940,
0.4068


203.6417, 0.3561,
0.3710

 19.2967, 0.4052,
0.4171

248.0820, 0.3534,
0.3683

 11.8849, 0.4196,
0.4303

298.5585, 0.3509,
0.3660

 6.6653, 0.4384,
0.4472

355.4557, 0.3488,

 3.2537, 0.4706,

0.3640

0.4761

419.1580, 0.3469,
0.3621

■ 1.2656, 0.5007,
0.4993

■ 0.1143, 0.5830,
0.4170

■ 78.5550, 0.3720,
0.3861

■ 78.5550, 0.3720,
0.3861

■ 73.0767, 0.3929,
0.4032

■ 84.4673, 0.3523,
0.3685

■ 68.0073, 0.4144,
0.4190

■ 90.8162, 0.3342,
0.3511

■ 63.3347, 0.4358,
0.4322

■ 97.6179, 0.3178,
0.3344

■ 59.0419, 0.4561,
0.4417

99.9946, 0.3127,
0.3290

■ 55.1094, 0.4740,
0.4466

■ 51.5145, 0.4889,
0.4462

■ 49.2794, 0.4971,
0.4435

Harmonies

Analogous

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



78.5550, 0.3855, 0.3631



78.5550, 0.3720, 0.3861



78.5550, 0.3427, 0.3947

Triad

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



78.5550, 0.3720, 0.3861



78.5550, 0.2511, 0.3187



78.5550, 0.3158, 0.2821

Complementary

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



78.5550, 0.3720, 0.3861



56.6071, 0.2569, 0.2642

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.



78.5550, 0.2805, 0.2703



78.5550, 0.3720, 0.3861



78.5550, 0.2448, 0.2890

Square

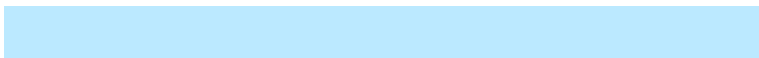
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5550, 0.3720, 0.3861



78.5550, 0.2731, 0.3542



78.5550, 0.2552, 0.2722



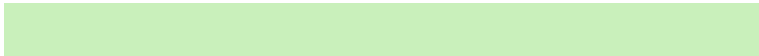
78.5550, 0.3521, 0.3047

Rectangle

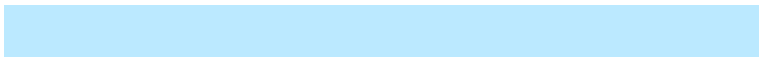
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5550, 0.3720, 0.3861



78.5550, 0.3186, 0.3893



78.5550, 0.2552, 0.2722



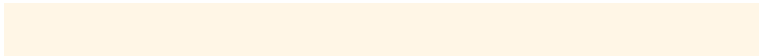
78.5550, 0.3034, 0.2768

Sweetspot

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



78.5586, 0.3720, 0.3861



93.0437, 0.3286, 0.3455



54.1733, 0.3634, 0.2982



19.7138, 0.3310, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

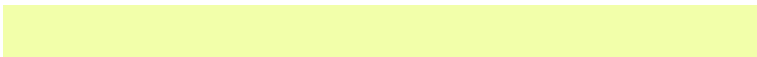
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5586, 0.3720, 0.3861



74.8664, 0.3858, 0.3977



93.3233, 0.3544, 0.4150



19.9866, 0.3278, 0.3446



26.0442, 0.4955, 0.4448



2.7388, 0.4846, 0.4535

Inverse Universe

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



56.6071, 0.2569, 0.2642



49.8612, 0.2448, 0.2485



46.0170, 0.2613, 0.2317



18.3899, 0.2979, 0.3129



7.5758, 0.1638, 0.1095



0.9310, 0.1700, 0.1318

Previews

White Background



This preview shows how the Yxy color 78.5550, 0.3720, 0.3861 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 78.5550, 0.3720, 0.3861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

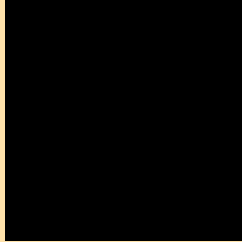
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5550, 0.3720, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 78.5550, 0.3720, 0.3861.

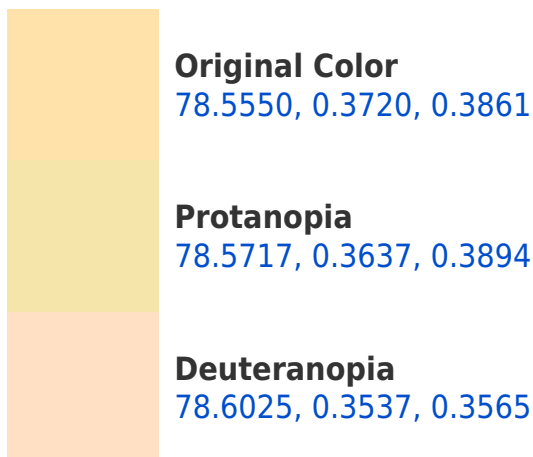


This preview shows how white text looks on a background with the Yxy color 78.5550, 0.3720, 0.3861.

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

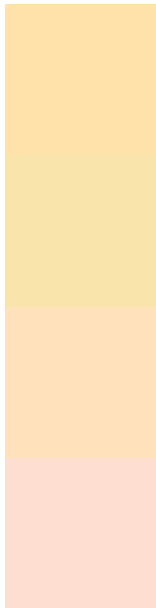




Tritanopia

78.3296, 0.3291, 0.3161

Trichromacy



Original Color

78.5550, 0.3720, 0.3861

Protanomaly

78.5668, 0.3662, 0.3880

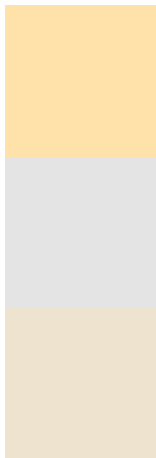
Deuteranomaly

78.6983, 0.3605, 0.3678

Tritanomaly

78.1557, 0.3449, 0.3412

Monochromacy



Original Color

78.5550, 0.3720, 0.3861

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6203, 0.3337, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5550, 0.3720, 0.3861 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, 226, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 170)  
}
```

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, 226, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 170) }
```

Border

The CSS property to change the border of an element to Yxy 78.5550, 0.3720, 0.3861 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, 226, 170) }
```

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

```
.border{ border-color:rgb(255, 226, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5550, 0.3720, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 170) }
```

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

```
.background{ background-color: rgb(255,  
226, 170) }
```

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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