

Converting Colors

$Y_{xy}(78.4375, 0.3781, 0.3956)$

Have a look what the booklet for
Yxy(78.4375, 0.3781, 0.3956)
contains.

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Color

Yxy(78.2259, 0.3782, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2A1
RGB	255, 226, 161
RGB Percent	100%, 89%, 63%
CMY	0.0000, 0.1137, 0.3685
CMYK	0.00, 0.11, 0.37, 0.00
HSL	41°, 100%, 82%
HSV	41°, 37%, 100%
XYZ	74.8799, 78.2259, 44.8844
YIQ	227.2610, 38.1490, -14.0670

Conversions

Conversions Part 2

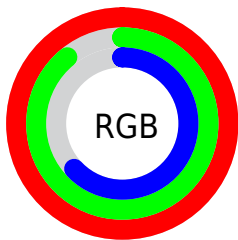
Format	Color
R _Y B	203, 255, 161
Decimal	16769697
CIE Lab	90.88, 1.09, 35.43
CIE LCh	91, 35.450, 88.240
Yxy	78.2259, 0.3782, 0.3951
Android (android.graphics.Color)	4294959777 (0xFFFFE2A1)
YUV	227.2610, -32.6667, 24.3271
Hunter-Lab	88.4454, -3.6574, 31.8232

Details

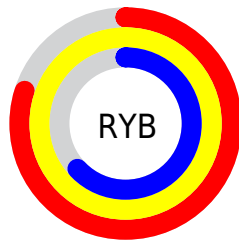
The Yxy color **78.2259, 0.3782, 0.3951** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.6437, 0.2500, 0.2523**, and the grayscale version is **77.2363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **42.1003, 0.3921, 0.4091** is the 20% darker color. If you saturate the color by 10%, you get **73.2306, 0.3986, 0.4125**, and if you desaturate by 10%, it is **83.5967, 0.3586, 0.3768**.

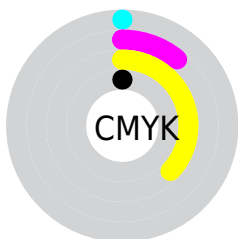
Distribution



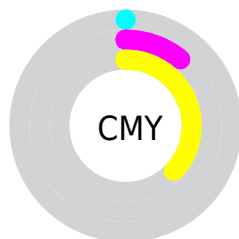
- Red (100%)
- Green (89%)
- Blue (63%)



- Red (80%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (11%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2259, 0.3782, 0.3951 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 78.2259, 0.3782, 0.3951 by changing the saturation by 10% instead.


 78.2259, 0.3782,
0.3951


 78.2259, 0.3782,
0.3951


488.9337, 0.3487,
0.3655

 58.2596, 0.3846,
0.4015


 130.8685, 0.3682,
0.3851

 42.0174, 0.3924,
0.4093


 164.3136, 0.3642,
0.3811

 29.1149, 0.4019,
0.4187


203.0204, 0.3608,
0.3776

 19.1677, 0.4138,
0.4304

247.3733, 0.3578,
0.3746

 11.7916, 0.4287,
0.4451

297.7566, 0.3551,
0.3719

 6.6019, 0.4474,
0.4632

354.5549, 0.3527,

 3.2144, 0.4893,

0.3695

0.5044

418.1524, 0.3506,
0.3674

■ 1.2447, 0.4943,
0.5057

■ 0.0977, 0.5500,
0.4500

■ 78.2259, 0.3782,
0.3951

■ 78.2259, 0.3782,
0.3951

■ 73.2306, 0.3986,
0.4125

■ 83.5967, 0.3586,
0.3768

■ 68.6038, 0.4192,
0.4282

■ 89.3626, 0.3402,
0.3585

■ 64.3279, 0.4390,
0.4408

■ 95.5333, 0.3234,
0.3407

■ 60.3864, 0.4572,
0.4494

100.0000, 0.3127,
0.3290

■ 56.7596, 0.4726,
0.4530

■ 53.4240, 0.4848,
0.4516

■ 52.4231, 0.4883,
0.4505

Harmonies

Analogous

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



78.2259, 0.3954, 0.3693



78.2259, 0.3782, 0.3951



78.2259, 0.3437, 0.4042

Triad

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



78.2259, 0.3782, 0.3951



78.2259, 0.2418, 0.3141



78.2259, 0.3190, 0.2775

Complementary

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



78.2259, 0.3782, 0.3951



51.6437, 0.2500, 0.2523

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.



78.2259, 0.2785, 0.2632



78.2259, 0.3782, 0.3951



78.2259, 0.2362, 0.2813

Square

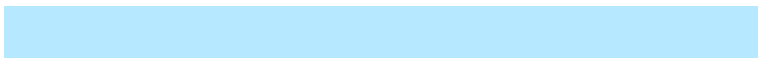
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2259, 0.3782, 0.3951



78.2259, 0.2654, 0.3550



78.2259, 0.2491, 0.2639



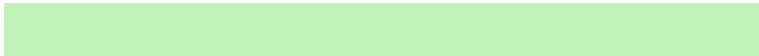
78.2259, 0.3602, 0.3035

Rectangle

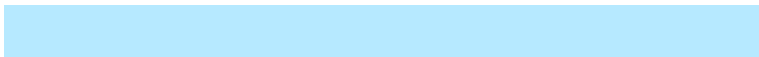
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2259, 0.3782, 0.3951



78.2259, 0.3162, 0.3972



78.2259, 0.2491, 0.2639



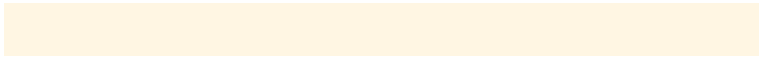
78.2259, 0.3048, 0.2712

Sweetspot

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



78.2237, 0.3782, 0.3951



92.9228, 0.3302, 0.3480



50.5131, 0.3740, 0.2981



19.7100, 0.3325, 0.3504



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.



78.2237, 0.3782, 0.3951



74.6159, 0.3927, 0.4077



92.2321, 0.3565, 0.4249



20.0889, 0.3277, 0.3454



27.6697, 0.4869, 0.4516



2.8883, 0.4772, 0.4593

Inverse Universe

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



51.6437, 0.2500, 0.2523



44.6578, 0.2368, 0.2342



42.2165, 0.2569, 0.2203



18.2922, 0.2979, 0.3121



6.9041, 0.1615, 0.1014



0.8564, 0.1676, 0.1235

Previews

White Background



This preview shows how the Yxy color 78.2259, 0.3782, 0.3951 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 78.2259, 0.3782, 0.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

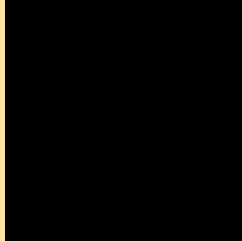
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2259, 0.3782, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 78.2259, 0.3782, 0.3951.

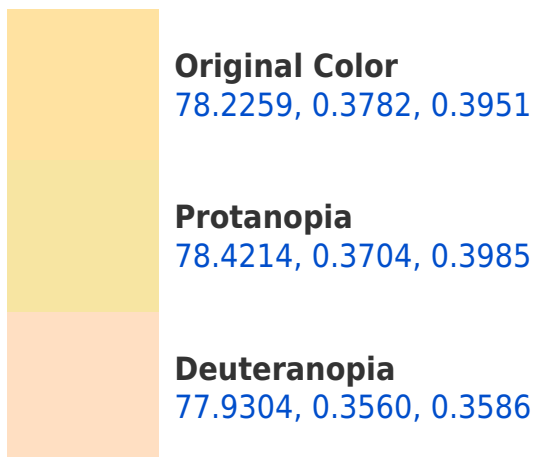


This preview shows how white text looks on a background with the Yxy color 78.2259, 0.3782, 0.3951.

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

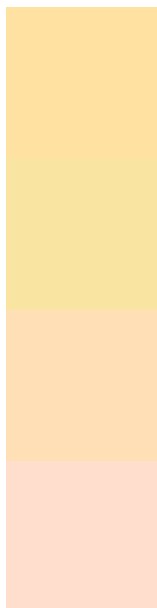




Tritanopia

78.2726, 0.3298, 0.3171

Trichromacy



Original Color

78.2259, 0.3782, 0.3951

Protanomaly

78.4194, 0.3730, 0.3970

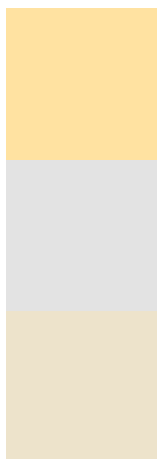
Deuteranomaly

77.9487, 0.3643, 0.3720

Tritanomaly

77.9588, 0.3477, 0.3453

Monochromacy



Original Color

78.2259, 0.3782, 0.3951

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.2545, 0.3357, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2259, 0.3782, 0.3951 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 161) }
```

Border

The CSS property to change the border of an element to Yxy 78.2259, 0.3782, 0.3951 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, 161) }
```

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

```
.border{ border-color:rgb(255, 226, 161) }
```

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, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2259, 0.3782, 0.3951 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, 161) }
```

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

```
.background{ background-color: rgb(255,  
226, 161) }
```

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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