

Converting Colors

$Y_{xy}(78.4403, 0.3955, 0.4237)$

Have a look what the booklet for
Yxy(78.4403, 0.3955, 0.4237)
contains.

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Color

Yxy(78.4403, 0.3955, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	FFE485
RGB	255, 228, 133
RGB Percent	100%, 89%, 52%
CMY	0.0000, 0.1059, 0.4784
CMYK	0.00, 0.11, 0.48, 0.00
HSL	47°, 100%, 76%
HSV	47°, 48%, 100%
XYZ	73.2196, 78.4403, 33.4718
YIQ	225.2430, 46.5870, -23.8210

Conversions

Conversions Part 2

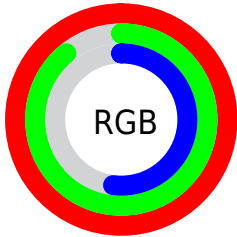
Format	Color
R_{YB}	168, 255, 133
Decimal	16770181
CIE _{Lab}	90.98, -2.77, 49.47
CIE _{LCh}	91, 49.546, 93.205
Yxy	78.4403, 0.3955, 0.4237
Android (android.graphics.Color)	4294960261 (0xFFFFE485)
YUV	225.2430, -45.4758, 26.0969
Hunter-Lab	88.5665, -7.4222, 39.5892

Details

The Yxy color **78.4403, 0.3955, 0.4237** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.3482, 0.2272, 0.2106**, and the grayscale version is **75.7884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **42.2170, 0.4114, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **74.7665, 0.4133, 0.4406**, and if you desaturate by 10%, it is **82.3905, 0.3771, 0.4047**.

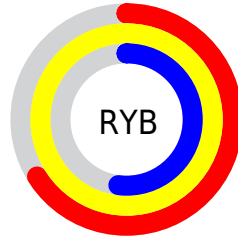
Distribution



Red (100%)

Green (89%)

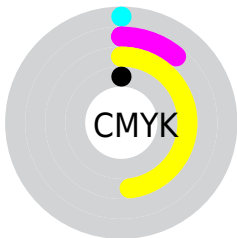
Blue (52%)



Red (66%)

Yellow (100%)

Blue (52%)

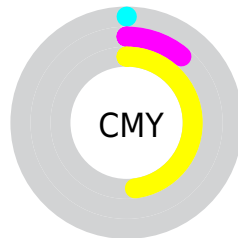


Cyan (0%)

Magenta (11%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4403, 0.3955, 0.4237 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 78.4403, 0.3955, 0.4237 by changing the saturation by 10% instead.


 78.4403, 0.3955,
0.4237

 78.4403, 0.3955,
0.4237


489.6609, 0.3592,
0.3817


 58.4357, 0.4030,
0.4326


 131.1706, 0.3835,
0.4097

 42.1591, 0.4118,
0.4430


 164.6652, 0.3786,
0.4040

 29.2259, 0.4221,
0.4555


 203.4252, 0.3744,
0.3991

 19.2517, 0.4342,
0.4702

247.8350, 0.3706,
0.3948

 11.8523, 0.4477,
0.4874

298.2791, 0.3673,
0.3909

 6.6432, 0.4668,
0.5119

355.1419, 0.3643,

 3.2400, 0.4742,

0.3875

418.8077, 0.3616,
0.3844

0.5258

■ 1.2583, 0.4693,
0.5307

■ 0.1085, 0.2467,
0.7533

■ 78.4403, 0.3955,
0.4237

■ 78.4403, 0.3955,
0.4237

■ 74.7665, 0.4133,
0.4406

■ 82.3905, 0.3771,
0.4047

■ 71.3496, 0.4298,
0.4543

■ 86.6233, 0.3589,
0.3845

■ 68.1763, 0.4441,
0.4638

■ 91.1521, 0.3413,
0.3641

■ 65.2286, 0.4556,
0.4686

■ 95.9874, 0.3248,
0.3441

■ 62.4831, 0.4641,
0.4687

100.0000, 0.3127,
0.3290

■ 61.9100, 0.4658,
0.4684

Harmonies

Analogous

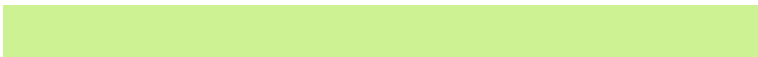
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4403, 0.4256, 0.3885



78.4403, 0.3955, 0.4237



78.4403, 0.3446, 0.4348

Triad

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



78.4403, 0.3955, 0.4237



78.4403, 0.2132, 0.2976



78.4403, 0.3305, 0.2642

Complementary

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



78.4403, 0.3955, 0.4237



37.3482, 0.2272, 0.2106

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.



78.4403, 0.2733, 0.2422



78.4403, 0.3955, 0.4237



78.4403, 0.2103, 0.2568

Square

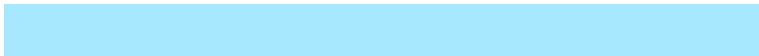
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4403, 0.3955, 0.4237



78.4403, 0.2402, 0.3553



78.4403, 0.2310, 0.2387



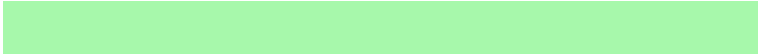
78.4403, 0.3874, 0.3002

Rectangle

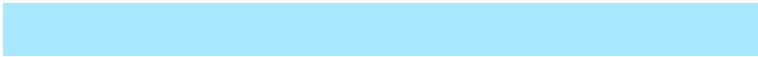
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4403, 0.3955, 0.4237



78.4403, 0.3063, 0.4221



78.4403, 0.2310, 0.2387



78.4403, 0.3105, 0.2550

Sweetspot

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



78.4423, 0.3955, 0.4237



92.9730, 0.3348, 0.3564



40.6257, 0.4139, 0.2997



19.6800, 0.3385, 0.3607



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.



78.4423, 0.3955, 0.4237



75.0658, 0.4119, 0.4393



88.8171, 0.3609, 0.4562



20.3685, 0.3275, 0.3474



32.5811, 0.4648, 0.4691



3.3324, 0.4586, 0.4741

Inverse Universe

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



37.3482, 0.2272, 0.2106



29.8033, 0.2098, 0.1835



32.0528, 0.2436, 0.1856



18.0294, 0.2979, 0.3099



5.4514, 0.1564, 0.0830



0.6843, 0.1619, 0.1029

Previews

White Background



This preview shows how the Yxy color 78.4403, 0.3955, 0.4237 looks on a white background.

Color Contrast Check

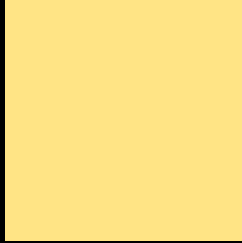
Large Text (above 18pt) WCAG AA × Fail

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 78.4403, 0.3955, 0.4237 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 78.4403, 0.3955, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 78.4403, 0.3955, 0.4237.

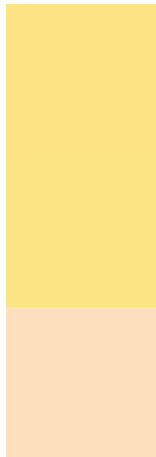


This preview shows how white text looks on a background with the Yxy color 78.4403, 0.3955, 0.4237.

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

78.4403, 0.3955, 0.4237

Protanopia

78.2413, 0.3920, 0.4257

Deuteranopia

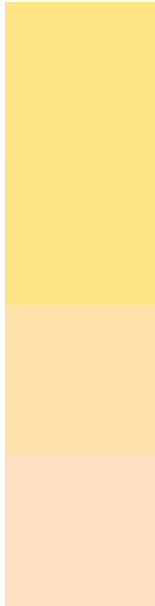
78.2890, 0.3586, 0.3637



Tritanopia

78.2726, 0.3298, 0.3171

Trichromacy



Original Color

78.4403, 0.3955, 0.4237

Protanomaly

78.4275, 0.3927, 0.4255

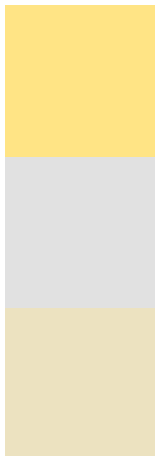
Deuteranomaly

77.9750, 0.3731, 0.3862

Tritanomaly

78.0209, 0.3546, 0.3566

Monochromacy



Original Color

78.4403, 0.3955, 0.4237

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.0314, 0.3426, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4403, 0.3955, 0.4237 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, 228, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 133)  
}
```

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, 228, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 133) }
```

Border

The CSS property to change the border of an element to Yxy 78.4403, 0.3955, 0.4237 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, 228, 133) }
```

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

```
.border{ border-color:rgb(255, 228, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 133); box-shadow:4px 4px 4px 4px rgb(255, 228, 133) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4403, 0.3955, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 133) }
```

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

```
.background{ background-color: rgb(255,  
228, 133) }
```

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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