

Converting Colors

$Yxy(78.3870, 0.3781, 0.4021)$

Have a look what the booklet for
Yxy(78.3870, 0.3781, 0.4021)
contains.

Yxy(78.5826, 0.3785, 0.4026)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5826, 0.3785, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	FCE49C
RGB	252, 228, 156
RGB Percent	99%, 89%, 61%
CMY	0.0119, 0.1058, 0.3882
CMYK	0.00, 0.10, 0.38, 0.01
HSL	45°, 94%, 80%
HSV	45°, 38%, 99%
XYZ	73.8786, 78.5826, 42.7266
YIQ	226.9680, 37.4160, -17.3040

Conversions

Conversions Part 2

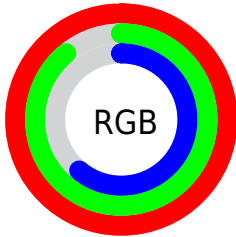
Format	Color
R _Y B	188, 252, 156
Decimal	16573596
CIE Lab	91.05, -1.68, 38.14
CIE LCh	91, 38.174, 92.519
Yxy	78.5826, 0.3785, 0.4026
Android (android.graphics.Color)	4294763676 (0xFFFC E49C)
YUV	226.9680, -34.9872, 21.9531
Hunter-Lab	88.6468, -6.3694, 33.4758

Details

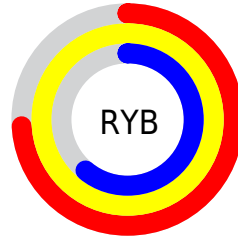
The Yxy color **78.5826, 0.3785, 0.4026** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.7136, 0.2467, 0.2422**, and the grayscale version is **77.0296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **42.3560, 0.3921, 0.4184** is the 20% darker color. If you saturate the color by 10%, you get **74.4227, 0.3975, 0.4211**, and if you desaturate by 10%, it is **83.0526, 0.3598, 0.3831**.

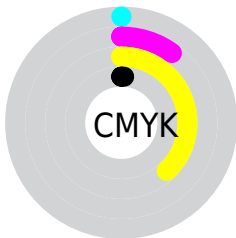
Distribution



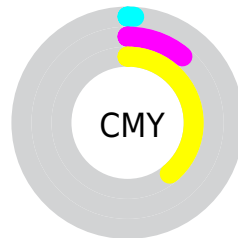
- Red (99%)
- Green (89%)
- Blue (61%)



- Red (74%)
- Yellow (99%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (38%)
- Black (1%)




- Cyan (1%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5826, 0.3785, 0.4026 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 78.5826, 0.3785, 0.4026 by changing the saturation by 10% instead.


 78.5826, 0.3785,
0.4026


 78.5826, 0.3785,
0.4026


490.1432, 0.3491,
0.3695

 58.5527, 0.3848,
0.4098


 131.3711, 0.3686,
0.3914

 42.2531, 0.3924,
0.4185

 164.8984, 0.3646,
0.3869

 29.2996, 0.4017,
0.4291


203.6937, 0.3612,
0.3831

 19.3075, 0.4130,
0.4422

248.1414, 0.3582,
0.3797

 11.8927, 0.4269,
0.4585

298.6257, 0.3555,
0.3767

 6.6707, 0.4438,
0.4787

355.5312, 0.3531,

 3.2570, 0.4794,

0.3740

0.5206

419.2422, 0.3510,
0.3716

■ 1.2673, 0.4764,
0.5236

■ 0.1157, 0.3736,
0.6264

■ 78.5826, 0.3785,
0.4026

■ 78.5826, 0.3785,
0.4026

■ 74.4227, 0.3975,
0.4211

■ 83.0526, 0.3598,
0.3831

■ 70.5496, 0.4162,
0.4374

■ 87.8331, 0.3419,
0.3634

■ 66.9534, 0.4337,
0.4506

■ 92.9384, 0.3252,
0.3440

■ 63.6188, 0.4490,
0.4596

■ 98.2629, 0.3109,
0.3272

■ 60.5278, 0.4616,
0.4638

■ 99.4282, 0.3108,
0.3290

■ 57.6566, 0.4711,
0.4632

■ 57.1256, 0.4727,
0.4628

Harmonies

Analogous

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



78.5826, 0.4004, 0.3765



78.5826, 0.3785, 0.4026



78.5826, 0.3396, 0.4095

Triad

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



78.5826, 0.3785, 0.4026



78.5826, 0.2348, 0.3068



78.5826, 0.3259, 0.2773

Complementary

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



78.5826, 0.3785, 0.4026



46.7136, 0.2467, 0.2422

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.



78.5826, 0.2815, 0.2600



78.5826, 0.3785, 0.4026



78.5826, 0.2317, 0.2739

Square

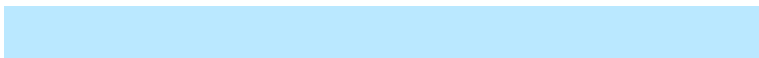
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5826, 0.3785, 0.4026



78.5826, 0.2572, 0.3506



78.5826, 0.2480, 0.2581



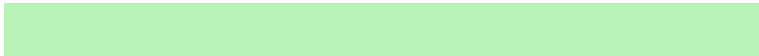
78.5826, 0.3694, 0.3062

Rectangle

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



78.5826, 0.3785, 0.4026



78.5826, 0.3098, 0.3996



78.5826, 0.2480, 0.2581



78.5826, 0.3105, 0.2700

Sweetspot

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



78.5862, 0.3785, 0.4026



93.9391, 0.3300, 0.3496



47.7608, 0.3832, 0.3038



19.9531, 0.3322, 0.3522



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.



78.5862, 0.3785, 0.4026



77.3346, 0.3936, 0.4174



88.4860, 0.3534, 0.4296



19.4142, 0.3275, 0.3467



30.0137, 0.4717, 0.4637



2.9471, 0.4640, 0.4698

Inverse Universe

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



46.7136, 0.2467, 0.2422



40.2226, 0.2315, 0.2202



40.5058, 0.2594, 0.2176



17.3465, 0.2979, 0.3107



5.7005, 0.1579, 0.0885



0.6884, 0.1640, 0.1104

Previews

White Background



This preview shows how the Yxy color 78.5826, 0.3785, 0.4026 looks on a white background.

Color Contrast Check

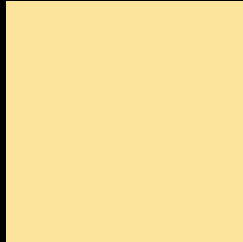
Large Text (above 18pt) WCAG AA × Fail

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 78.5826, 0.3785, 0.4026 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 78.5826, 0.3785, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 78.5826, 0.3785, 0.4026.



This preview shows how white text looks on a background with the Yxy color 78.5826, 0.3785, 0.4026.

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

78.5826, 0.3785, 0.4026

Protanopia

78.4294, 0.3745, 0.4034

Deuteranopia

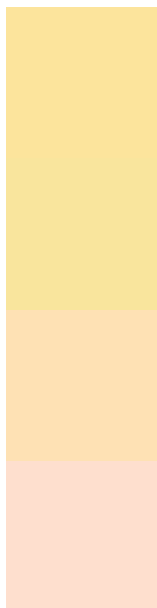
78.4664, 0.3558, 0.3596



Tritanopia

78.3869, 0.3284, 0.3151

Trichromacy



Original Color

78.5826, 0.3785, 0.4026

Protanomaly

78.6127, 0.3752, 0.4031

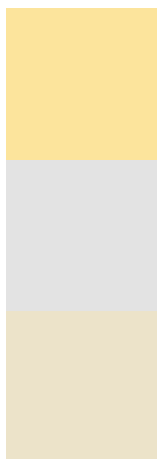
Deuteranomaly

78.2165, 0.3646, 0.3751

Tritanomaly

78.3024, 0.3468, 0.3464

Monochromacy



Original Color

78.5826, 0.3785, 0.4026

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9881, 0.3363, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5826, 0.3785, 0.4026 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(252, 228, 156)` looks like.

```
.text, #text, p{  
    color:rgb(252, 228, 156)  
}
```

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(252, 228, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 228, 156) }
```

Border

The CSS property to change the border of an element to Yxy 78.5826, 0.3785, 0.4026 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(252, 228, 156) }
```

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

```
.border{ border-color:rgb(252, 228, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 228, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 228, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 228, 156);  
box-shadow:4px 4px 4px 4px rgb(252, 228,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5826, 0.3785, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 228, 156) }
```

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

```
.background{ background-color: rgb(252,  
228, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor