

Converting Colors

$Y_{xy}(78.8182, 0.3711, 0.3863)$

Have a look what the booklet for
Yxy(78.8182, 0.3711, 0.3863)
contains.

Yxy(78.9113, 0.3710, 0.3872)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.9113, 0.3710, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	FEE3AA
RGB	254, 227, 170
RGB Percent	100%, 89%, 67%
CMY	0.0038, 0.1098, 0.3333
CMYK	0.00, 0.11, 0.33, 0.00
HSL	41°, 98%, 83%
HSV	41°, 33%, 100%
XYZ	75.6097, 78.9113, 49.2788
YIQ	228.5750, 34.3890, -12.0030

Conversions

Conversions Part 2

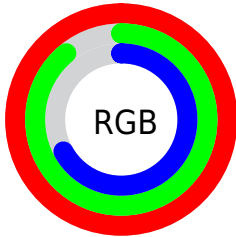
Format	Color
R _Y B	210, 254, 170
Decimal	16704426
CIE Lab	91.19, 1.24, 31.26
CIE LCh	91, 31.287, 87.723
Yxy	78.9113, 0.3710, 0.3872
Android (android.graphics.Color)	4294894506 (0xFFFE3AA)
YUV	228.5750, -28.8775, 22.2977
Hunter-Lab	88.8320, -3.5251, 29.2918

Details

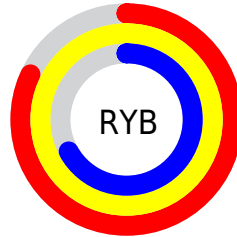
The Yxy color **78.9113, 0.3710, 0.3872** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.6640, 0.2571, 0.2628**, and the grayscale version is **78.2289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **42.5252, 0.3837, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **73.6769, 0.3914, 0.4048**, and if you desaturate by 10%, it is **84.5512, 0.3516, 0.3692**.

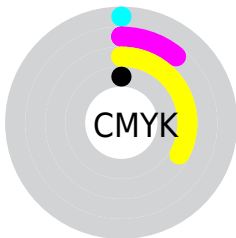
Distribution



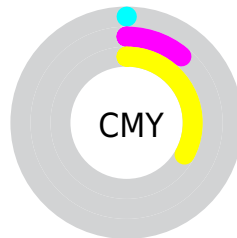
- Red (100%)
- Green (89%)
- Blue (67%)



- Red (82%)
- 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 78.9113, 0.3710, 0.3872 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 78.9113, 0.3710, 0.3872 by changing the saturation by 10% instead.


 78.9113, 0.3710,
0.3872

 78.9113, 0.3710,
0.3872


491.2562, 0.3447,
0.3610

 58.8229, 0.3768,
0.3929


 131.8340, 0.3620,
0.3783

 42.4706, 0.3838,
0.3998


165.4370, 0.3585,
0.3748

 29.4699, 0.3925,
0.4084


204.3138, 0.3554,
0.3717

 19.4366, 0.4034,
0.4190

248.8485, 0.3527,
0.3691

 11.9862, 0.4174,
0.4326

299.4258, 0.3503,
0.3667

 6.7343, 0.4356,
0.4500

356.4299, 0.3482,

 3.2965, 0.4666,

0.3646

0.4797

420.2452, 0.3463,
0.3627

■ 1.2884, 0.4952,
0.5048

■ 0.1322, 0.5413,
0.4587

■ 78.9113, 0.3710,
0.3872

■ 78.9113, 0.3710,
0.3872

■ 73.6769, 0.3914,
0.4048

■ 84.5512, 0.3516,
0.3692

■ 68.8235, 0.4124,
0.4209

■ 90.5984, 0.3337,
0.3513

■ 64.3399, 0.4332,
0.4346

■ 97.0686, 0.3174,
0.3341

■ 60.2098, 0.4526,
0.4446

99.8189, 0.3121,
0.3290

■ 56.4146, 0.4698,
0.4499

■ 52.9324, 0.4838,
0.4501

■ 50.6854, 0.4919,
0.4477

Harmonies

Analogous

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



78.9113, 0.3856, 0.3646



78.9113, 0.3710, 0.3872



78.9113, 0.3410, 0.3949

Triad

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



78.9113, 0.3710, 0.3872



78.9113, 0.2502, 0.3168



78.9113, 0.3178, 0.2829

Complementary

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



78.9113, 0.3710, 0.3872



55.6640, 0.2571, 0.2628

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.



78.9113, 0.2820, 0.2704



78.9113, 0.3710, 0.3872



78.9113, 0.2447, 0.2876

Square

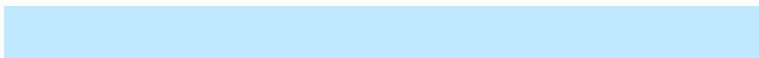
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9113, 0.3710, 0.3872



78.9113, 0.2715, 0.3524



78.9113, 0.2560, 0.2715



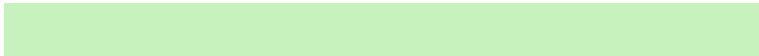
78.9113, 0.3540, 0.3060

Rectangle

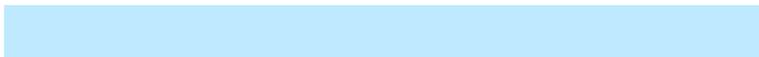
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9113, 0.3710, 0.3872



78.9113, 0.3167, 0.3888



78.9113, 0.2560, 0.2715



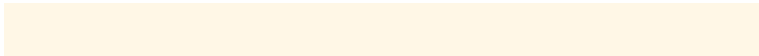
78.9113, 0.3053, 0.2774

Sweetspot

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



78.9149, 0.3710, 0.3872



93.3392, 0.3285, 0.3459



53.9089, 0.3641, 0.2999



19.7855, 0.3309, 0.3484



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

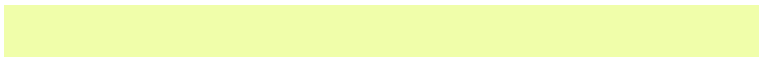
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9149, 0.3710, 0.3872



75.8908, 0.3851, 0.3995



92.3449, 0.3532, 0.4146



20.0469, 0.3277, 0.3451



26.9908, 0.4904, 0.4488



2.8261, 0.4802, 0.4569

Inverse Universe

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



55.6640, 0.2571, 0.2628



49.0401, 0.2445, 0.2461



46.1023, 0.2627, 0.2327



18.3323, 0.2979, 0.3124



7.1705, 0.1624, 0.1046



0.8862, 0.1686, 0.1269

Previews

White Background



This preview shows how the Yxy color 78.9113, 0.3710, 0.3872 looks on a white background.

Color Contrast Check

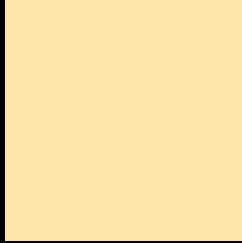
Large Text (above 18pt) WCAG AA × Fail

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 78.9113, 0.3710, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

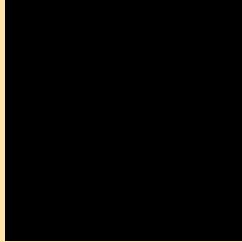
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9113, 0.3710, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 78.9113, 0.3710, 0.3872.



This preview shows how white text looks on a background with the Yxy color 78.9113, 0.3710, 0.3872.

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

78.9113, 0.3710, 0.3872

Protanopia

79.1267, 0.3634, 0.3904

Deuteranopia

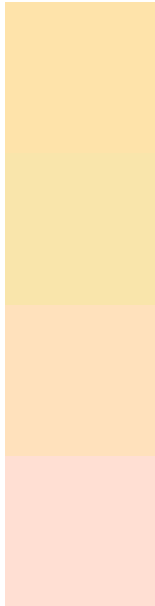
78.6485, 0.3530, 0.3555



Tritanopia

78.9134, 0.3283, 0.3161

Trichromacy



Original Color

78.9113, 0.3710, 0.3872

Protanomaly

79.1186, 0.3659, 0.3889

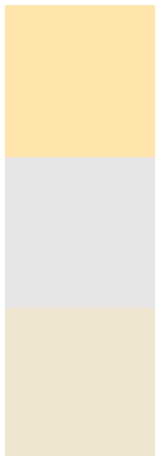
Deuteranomaly

78.7413, 0.3598, 0.3668

Tritanomaly

78.7385, 0.3440, 0.3412

Monochromacy



Original Color

78.9113, 0.3710, 0.3872

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.2180, 0.3329, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9113, 0.3710, 0.3872 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(254, 227, 170)` looks like.

```
.text, #text, p{  
    color:rgb(254, 227, 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(254, 227, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 227, 170) }
```

Border

The CSS property to change the border of an element to Yxy 78.9113, 0.3710, 0.3872 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(254, 227, 170) }
```

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

```
.border{ border-color:rgb(254, 227, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 227, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 227, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 227, 170);  
box-shadow:4px 4px 4px 4px rgb(254, 227,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9113, 0.3710, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 227, 170) }
```

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

```
.background{ background-color: rgb(254,  
227, 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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