

Converting Colors

$Y_{xy}(100.0000, 0.4284, 0.3709)$

Have a look what the booklet for
Yxy(100.0000, 0.4284, 0.3709)
contains.

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Color

Yxy(79.8814, 0.3673, 0.3819)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4B0
RGB	255, 228, 176
RGB Percent	100%, 89%, 69%
CMY	0.0000, 0.1059, 0.3097
CMYK	0.00, 0.11, 0.31, 0.00
HSL	39°, 100%, 85%
HSV	39°, 31%, 100%
XYZ	76.8275, 79.8814, 52.4594
YIQ	230.1450, 32.7840, -10.4480

Conversions

Conversions Part 2

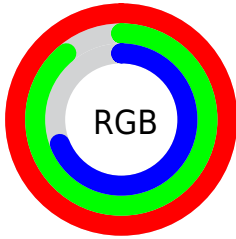
Format	Color
R _Y B	217, 255, 176
Decimal	16770224
CIE Lab	91.63, 1.83, 28.78
CIE LCh	92, 28.840, 86.359
Yxy	79.8814, 0.3673, 0.3819
Android (android.graphics.Color)	4294960304 (0xFFFFE4B0)
YUV	230.1450, -26.6935, 21.7978
Hunter-Lab	89.3764, -2.9709, 27.7632

Details

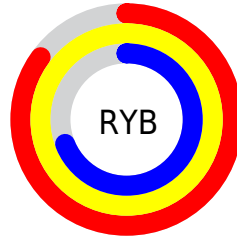
The Yxy color **79.8814, 0.3673, 0.3819** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.1822, 0.2611, 0.2696**, and the grayscale version is **79.4275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **43.1875, 0.3790, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **74.2875, 0.3879, 0.3992**, and if you desaturate by 10%, it is **85.9069, 0.3480, 0.3643**.

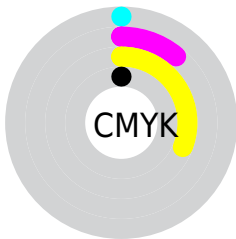
Distribution



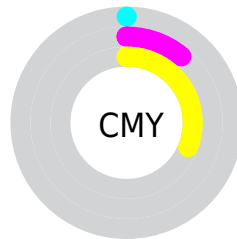
- Red (100%)
- Green (89%)
- Blue (69%)



- Red (85%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8814, 0.3673, 0.3819 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 79.8814, 0.3673, 0.3819 by changing the saturation by 10% instead.


 79.8814, 0.3673,
0.3819

 79.8814, 0.3673,
0.3819

494.5331, 0.3426,
0.3581

 59.6208, 0.3728,
0.3871


 133.1990, 0.3589,
0.3738

 43.1130, 0.3794,
0.3934


167.0247, 0.3556,
0.3706

 29.9738, 0.3876,
0.4012


206.1409, 0.3527,
0.3679

 19.8187, 0.3980,
0.4109

250.9320, 0.3502,
0.3654

 12.2633, 0.4114,
0.4234

301.7824, 0.3479,
0.3633

 6.9233, 0.4292,
0.4397

359.0764, 0.3460,

 3.4142, 0.4557,

0.3614

0.4635

423.1985, 0.3442,
0.3597

■ 1.3516, 0.4987,
0.5013

■ 0.1806, 0.5450,
0.4550

■ 79.8814, 0.3673,
0.3819

■ 79.8814, 0.3673,
0.3819

■ 74.2875, 0.3879,
0.3992

■ 85.9069, 0.3480,
0.3643

■ 69.1110, 0.4094,
0.4153

■ 92.3772, 0.3302,
0.3471

■ 64.3366, 0.4310,
0.4292

■ 99.3049, 0.3142,
0.3306

■ 59.9476, 0.4516,
0.4397

■ 100.0000, 0.3127,
0.3290

■ 55.9252, 0.4703,
0.4457

■ 52.2475, 0.4859,
0.4465

■ 49.1932, 0.4974,
0.4432

Harmonies

Analogous

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



79.8814, 0.3797, 0.3609



79.8814, 0.3673, 0.3819



79.8814, 0.3403, 0.3894

Triad

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



79.8814, 0.3673, 0.3819



79.8814, 0.2557, 0.3194



79.8814, 0.3159, 0.2857

Complementary

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



79.8814, 0.3673, 0.3819



59.1822, 0.2611, 0.2696

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.



79.8814, 0.2832, 0.2746



79.8814, 0.3673, 0.3819



79.8814, 0.2499, 0.2920

Square

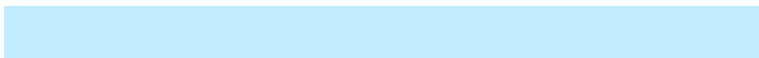
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8814, 0.3673, 0.3819



79.8814, 0.2760, 0.3520



79.8814, 0.2597, 0.2764



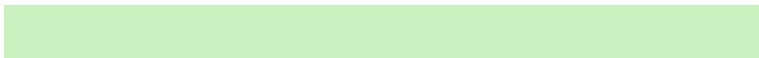
79.8814, 0.3493, 0.3068

Rectangle

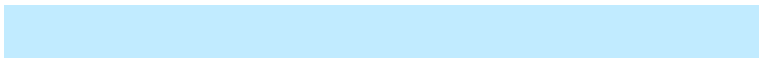
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8814, 0.3673, 0.3819



79.8814, 0.3181, 0.3842



79.8814, 0.2597, 0.2764



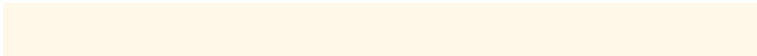
79.8814, 0.3044, 0.2807

Sweetspot

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



79.8814, 0.3673, 0.3819



93.7038, 0.3269, 0.3437



56.6672, 0.3586, 0.3005



19.8461, 0.3294, 0.3462



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

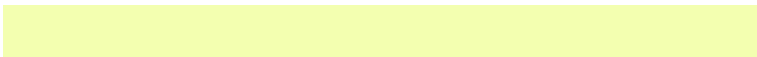
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8814, 0.3673, 0.3819



76.4562, 0.3796, 0.3924



93.7381, 0.3516, 0.4088



19.9833, 0.3278, 0.3446



25.9931, 0.4958, 0.4445



2.7341, 0.4848, 0.4533

Inverse Universe

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



59.1822, 0.2611, 0.2696



52.8619, 0.2503, 0.2558



48.9592, 0.2655, 0.2395



18.3931, 0.2979, 0.3129



7.5989, 0.1638, 0.1097



0.9335, 0.1700, 0.1321

Previews

White Background



This preview shows how the Yxy color 79.8814, 0.3673, 0.3819 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 79.8814, 0.3673, 0.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

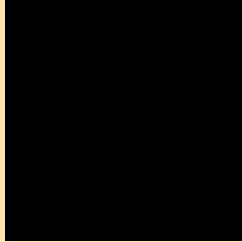
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8814, 0.3673, 0.3819

Background



This preview shows how black text looks on a background with the Yxy color 79.8814, 0.3673, 0.3819.



This preview shows how white text looks on a background with the Yxy color 79.8814, 0.3673, 0.3819.

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

79.8814, 0.3673, 0.3819

Protanopia

80.1003, 0.3598, 0.3850

Deuteranopia

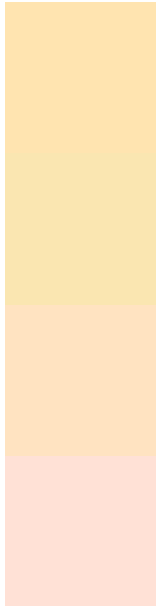
79.9645, 0.3491, 0.3524



Tritanopia

80.0915, 0.3267, 0.3162

Trichromacy



Original Color

79.8814, 0.3673, 0.3819

Protanomaly

80.0919, 0.3623, 0.3836

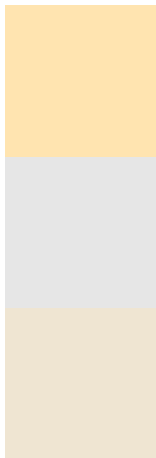
Deuteranomaly

80.0484, 0.3558, 0.3636

Tritanomaly

79.9655, 0.3416, 0.3401

Monochromacy



Original Color

79.8814, 0.3673, 0.3819

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.0425, 0.3321, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8814, 0.3673, 0.3819 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 176) }
```

Border

The CSS property to change the border of an element to Yxy 79.8814, 0.3673, 0.3819 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, 176) }
```

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

```
.border{ border-color:rgb(255, 228, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8814, 0.3673, 0.3819 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, 176) }
```

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

```
.background{ background-color: rgb(255,  
228, 176) }
```

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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