

Converting Colors

$Y_{xy}(79.8609, 0.3851, 0.4170)$

Have a look what the booklet for
Yxy(79.8609, 0.3851, 0.4170)
contains.

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Color

Yxy(79.8609, 0.3851, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	FCE790
RGB	252, 231, 144
RGB Percent	99%, 91%, 56%
CMY	0.0118, 0.0941, 0.4354
CMYK	0.00, 0.08, 0.43, 0.01
HSL	48°, 95%, 78%
HSV	48°, 43%, 99%
XYZ	73.7516, 79.8609, 37.9004
YIQ	227.3610, 40.4430, -22.6050

Conversions

Conversions Part 2

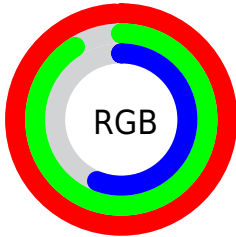
Format	Color
R _Y B	170, 252, 144
Decimal	16574352
CIE Lab	91.62, -4.43, 44.87
CIE LCh	92, 45.086, 95.638
Yxy	79.8609, 0.3851, 0.4170
Android (android.graphics.Color)	4294764432 (0xFFFC E790)
YUV	227.3610, -41.0970, 21.6084
Hunter-Lab	89.3649, -9.0750, 37.4101

Details

The Yxy color **79.8609, 0.3851, 0.4170** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8491, 0.2363, 0.2215**, and the grayscale version is **77.3755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **43.2927, 0.3995, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **76.4760, 0.4026, 0.4356**, and if you desaturate by 10%, it is **83.5018, 0.3672, 0.3968**.

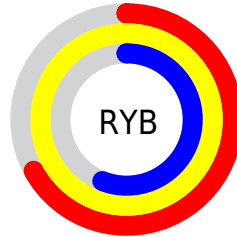
Distribution



Red (99%)

Green (91%)

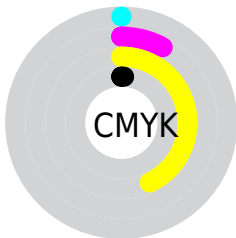
Blue (56%)



Red (67%)

Yellow (99%)

Blue (56%)

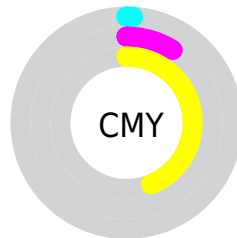


Cyan (0%)

Magenta (8%)

Yellow (43%)

Black (1%)



Cyan (1%)


Magenta (9%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8609, 0.3851, 0.4170 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 79.8609, 0.3851, 0.4170 by changing the saturation by 10% instead.


 79.8609, 0.3851,
0.4170

 79.8609, 0.3851,
0.4170


494.4639, 0.3533,
0.3776

 59.6039, 0.3918,
0.4255


 133.1701, 0.3745,
0.4037

 43.0994, 0.3996,
0.4356


 166.9912, 0.3703,
0.3984

 29.9631, 0.4090,
0.4478


206.1023, 0.3665,
0.3938

 19.8106, 0.4200,
0.4627

250.8880, 0.3633,
0.3898

 12.2575, 0.4329,
0.4808

301.7326, 0.3603,
0.3862

 6.9193, 0.4479,
0.5031

359.0206, 0.3577,

 3.4117, 0.4666,

0.3830

423.1362, 0.3554,
0.3801

0.5334

1.3502, 0.4590,
0.5410

0.1796, 0.2584,
0.7416

79.8609, 0.3851,
0.4170

79.8609, 0.3851,
0.4170

76.4760, 0.4026,
0.4356

83.5018, 0.3672,
0.3968

73.3237, 0.4190,
0.4514

87.3988, 0.3497,
0.3758

70.3942, 0.4335,
0.4635

91.5658, 0.3328,
0.3549

67.6719, 0.4454,
0.4711

96.0123, 0.3170,
0.3346

■ 65.1378, 0.4544,
0.4739

99.4345, 0.3109,
0.3290

■ 63.4260, 0.4592,
0.4736

Harmonies

Analogous

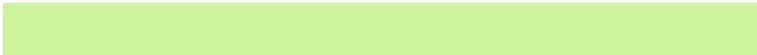
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8609, 0.4140, 0.3871



79.8609, 0.3851, 0.4170



79.8609, 0.3380, 0.4236

Triad

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



79.8609, 0.3851, 0.4170



79.8609, 0.2208, 0.2974



79.8609, 0.3335, 0.2720

Complementary

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



79.8609, 0.3851, 0.4170



39.8491, 0.2363, 0.2215

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.



79.8609, 0.2810, 0.2506



79.8609, 0.3851, 0.4170



79.8609, 0.2198, 0.2615

Square

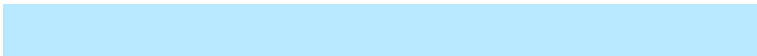
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8609, 0.3851, 0.4170



79.8609, 0.2441, 0.3485



79.8609, 0.2407, 0.2461



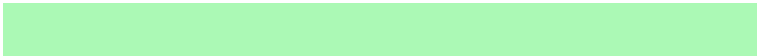
79.8609, 0.3838, 0.3061

Rectangle

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



79.8609, 0.3851, 0.4170



79.8609, 0.3032, 0.4100



79.8609, 0.2407, 0.2461



79.8609, 0.3154, 0.2632

Sweetspot

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



79.8646, 0.3851, 0.4170



94.0056, 0.3331, 0.3552



43.3698, 0.4023, 0.3064



19.9137, 0.3367, 0.3598



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

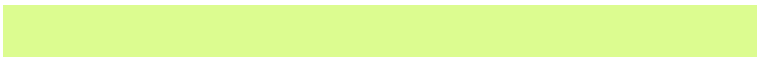
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8646, 0.3851, 0.4170



79.1861, 0.3994, 0.4323



86.7819, 0.3541, 0.4439



19.5840, 0.3274, 0.3480



33.2507, 0.4584, 0.4742



3.2212, 0.4529, 0.4786

Inverse Universe

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



39.8491, 0.2363, 0.2215



33.4573, 0.2203, 0.1968



36.2399, 0.2551, 0.2031



17.1887, 0.2979, 0.3093



4.9630, 0.1552, 0.0786



0.5993, 0.1607, 0.0985

Previews

White Background



This preview shows how the Yxy color 79.8609, 0.3851, 0.4170 looks on a white background.

Color Contrast Check

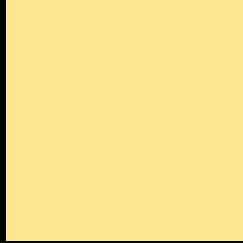
Large Text (above 18pt) WCAG AA × Fail

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 79.8609, 0.3851, 0.4170 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 79.8609, 0.3851, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 79.8609, 0.3851, 0.4170.



This preview shows how white text looks on a background with the Yxy color 79.8609, 0.3851, 0.4170.

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

79.8609, 0.3851, 0.4170

Protanopia

79.8609, 0.3851, 0.4170

Deuteranopia

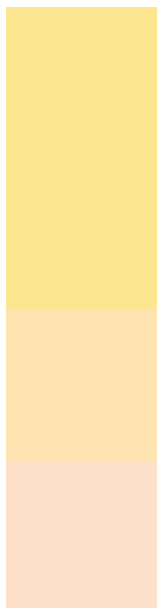
79.6382, 0.3539, 0.3595



Tritanopia

79.5587, 0.3268, 0.3152

Trichromacy



Original Color

79.8609, 0.3851, 0.4170

Protanomaly

79.8609, 0.3851, 0.4170

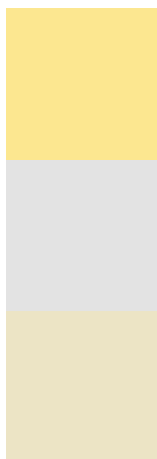
Deuteranomaly

79.7320, 0.3659, 0.3811

Tritanomaly

79.2331, 0.3485, 0.3514

Monochromacy



Original Color

79.8609, 0.3851, 0.4170

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3509, 0.3389, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8609, 0.3851, 0.4170 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, 231, 144)` looks like.

```
.text, #text, p{  
    color:rgb(252, 231, 144)  
}
```

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, 231, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 231, 144) }
```

Border

The CSS property to change the border of an element to Yxy 79.8609, 0.3851, 0.4170 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, 231, 144) }
```

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

```
.border{ border-color:rgb(252, 231, 144) }
```

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

Here you see how a box with a 4 pixel rgb(252, 231, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 231, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 231, 144);  
box-shadow:4px 4px 4px 4px rgb(252, 231,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8609, 0.3851, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 231, 144) }
```

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

```
.background{ background-color: rgb(252,  
231, 144) }
```

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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