

Converting Colors

$Y_{xy}(100.0000, 0.4194, 0.3947)$

Have a look what the booklet for
Yxy(100.0000, 0.4194, 0.3947)
contains.

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Color

Yxy(85.5311, 0.3743, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFA0
RGB	255, 239, 160
RGB Percent	100%, 94%, 63%
CMY	0.0000, 0.0628, 0.3725
CMYK	0.00, 0.06, 0.37, 0.00
HSL	50°, 100%, 81%
HSV	50°, 37%, 100%
XYZ	78.4664, 85.5311, 45.6376
YIQ	234.7780, 34.8950, -21.1770

Conversions

Conversions Part 2

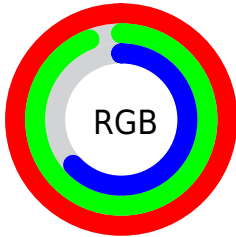
Format	Color
R _Y B	179, 255, 160
Decimal	16773024
CIE Lab	94.11, -5.57, 40.17
CIE LCh	94, 40.556, 97.893
Yxy	85.5311, 0.3743, 0.4080
Android (android.graphics.Color)	4294963104 (0xFFFFEFA0)
YUV	234.7780, -36.8656, 17.7347
Hunter-Lab	92.4830, -10.3986, 35.4803

Details

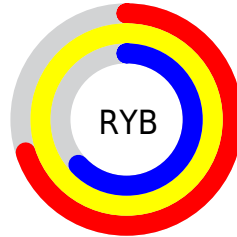
The Yxy color **85.5311, 0.3743, 0.4080** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.7564, 0.2469, 0.2350**, and the grayscale version is **83.1615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **46.7988, 0.3870, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **82.2356, 0.3915, 0.4281**, and if you desaturate by 10%, it is **89.0582, 0.3569, 0.3867**.

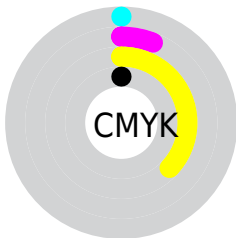
Distribution



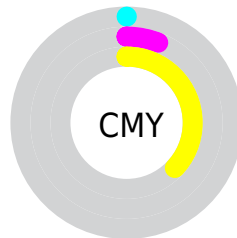
- Red (100%)
- Green (94%)
- Blue (63%)



- Red (70%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (6%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5311, 0.3743, 0.4080 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 85.5311, 0.3743, 0.4080 by changing the saturation by 10% instead.

 85.5311, 0.3743,
0.4080


 85.5311, 0.3743,
0.4080


513.3838, 0.3474,
0.3727

 64.2803, 0.3800,
0.4156


 141.1150, 0.3653,
0.3961

 46.8777, 0.3867,
0.4248


 176.2168, 0.3618,
0.3913

 32.9390, 0.3947,
0.4360


216.7045, 0.3586,
0.3872

 22.0797, 0.4044,
0.4498

262.9624, 0.3558,
0.3836

 13.9155, 0.4160,
0.4672

315.3748, 0.3534,
0.3804

 8.0619, 0.4296,
0.4889

374.3263, 0.3512,

 4.1346, 0.4570,

0.3775

0.5304

440.2012, 0.3492,
0.3750

■ 1.7491, 0.4545,
0.5455

■ 0.4552, 0.3946,
0.6054

■ 85.5311, 0.3743,
0.4080

■ 85.5311, 0.3743,
0.4080

■ 82.2356, 0.3915,
0.4281

■ 89.0582, 0.3569,
0.3867

■ 79.1770, 0.4079,
0.4460

■ 92.8445, 0.3399,
0.3651

■ 76.3367, 0.4227,
0.4607

■ 96.8944, 0.3238,
0.3439

■ 73.7001, 0.4352,
0.4712

100.0000, 0.3127,
0.3290

■ 71.2499, 0.4449,
0.4771

■ 68.9644, 0.4517,
0.4784

■ 68.3555, 0.4533,
0.4783

Harmonies

Analogous

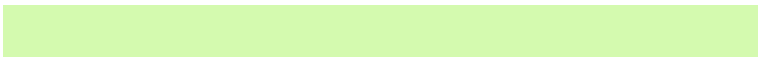
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5311, 0.4009, 0.3836



85.5311, 0.3743, 0.4080



85.5311, 0.3321, 0.4108

Triad

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



85.5311, 0.3743, 0.4080



85.5311, 0.2303, 0.2988



85.5311, 0.3348, 0.2803

Complementary

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



85.5311, 0.3743, 0.4080



45.7564, 0.2469, 0.2350

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.



85.5311, 0.2881, 0.2600



85.5311, 0.3743, 0.4080



85.5311, 0.2308, 0.2679

Square

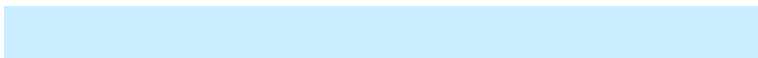
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5311, 0.3743, 0.4080



85.5311, 0.2500, 0.3429



85.5311, 0.2510, 0.2550



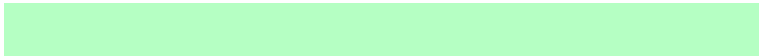
85.5311, 0.3780, 0.3117

Rectangle

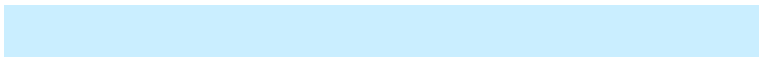
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5311, 0.3743, 0.4080



85.5311, 0.3014, 0.3973



85.5311, 0.2510, 0.2550



85.5311, 0.3189, 0.2721

Sweetspot

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



85.5255, 0.3743, 0.4080



95.3436, 0.3297, 0.3518



49.5987, 0.3873, 0.3109



20.2895, 0.3319, 0.3546



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

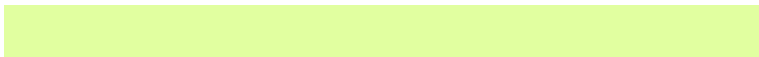
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5255, 0.3743, 0.4080



82.9548, 0.3877, 0.4237



90.0536, 0.3483, 0.4289



20.5388, 0.3273, 0.3486



35.9095, 0.4527, 0.4788



3.6282, 0.4482, 0.4823

Inverse Universe

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



45.7564, 0.2469, 0.2350



37.8177, 0.2314, 0.2113



43.3265, 0.2655, 0.2217



17.8724, 0.2979, 0.3086



4.8185, 0.1541, 0.0746



0.6009, 0.1590, 0.0923

Previews

White Background



This preview shows how the Yxy color 85.5311, 0.3743, 0.4080 looks on a white background.

Color Contrast Check

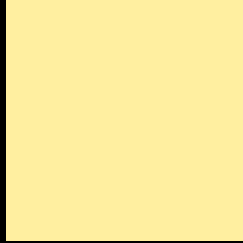
Large Text (above 18pt) WCAG AA × Fail

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 85.5311, 0.3743, 0.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

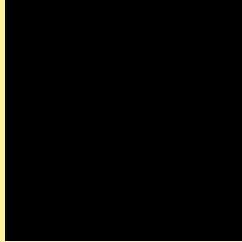
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5311, 0.3743, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 85.5311, 0.3743, 0.4080.



This preview shows how white text looks on a background with the Yxy color 85.5311, 0.3743, 0.4080.

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

85.5311, 0.3743, 0.4080

Protanopia

85.5042, 0.3650, 0.3924

Deuteranopia

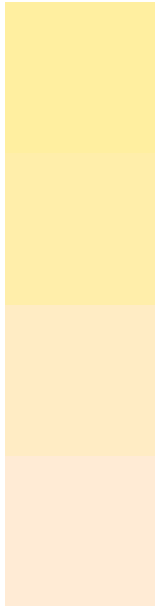
85.6345, 0.3387, 0.3480



Tritanopia

85.4443, 0.3214, 0.3183

Trichromacy



Original Color

85.5311, 0.3743, 0.4080

Protanomaly

85.3114, 0.3683, 0.3973

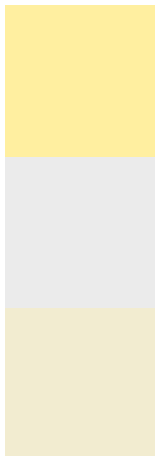
Deuteranomaly

85.2364, 0.3518, 0.3693

Tritanomaly

85.4808, 0.3407, 0.3510

Monochromacy



Original Color

85.5311, 0.3743, 0.4080

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4222, 0.3346, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5311, 0.3743, 0.4080 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, 239, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 160)  
}
```

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, 239, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 160) }
```

Border

The CSS property to change the border of an element to Yxy 85.5311, 0.3743, 0.4080 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, 239, 160) }
```

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

```
.border{ border-color:rgb(255, 239, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5311, 0.3743, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 160) }
```

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

```
.background{ background-color: rgb(255,  
239, 160) }
```

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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