

Converting Colors

Yxy(87.7916, 0.3836, 0.4130)

Have a look what the booklet for
Yxy(87.7916, 0.3836, 0.4130)
contains.

Yxy(85.9133, 0.3776, 0.4147)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.9133, 0.3776, 0.4147)

Conversions

Conversions Part 1

Format	Color
Hex	FFF09A
RGB	255, 240, 154
RGB Percent	100%, 94%, 60%
CMY	0.0001, 0.0588, 0.3961
CMYK	0.00, 0.06, 0.40, 0.00
HSL	51°, 100%, 80%
HSV	51°, 40%, 100%
XYZ	78.2273, 85.9133, 43.0292
YIQ	234.6810, 36.5460, -23.5660

Conversions

Conversions Part 2

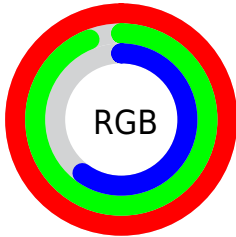
Format	Color
RYB	172, 255, 154
Decimal	16773274
CIELab	94.28, -6.75, 43.36
CIELCh	94, 43.884, 98.851
Yxy	85.9133, 0.3776, 0.4147
Android (android.graphics.Color)	4294963354 (0xFFFFF09A)
YUV	234.6810, -39.7757, 17.8198
Hunter-Lab	92.6894, -11.5575, 37.3584

Details

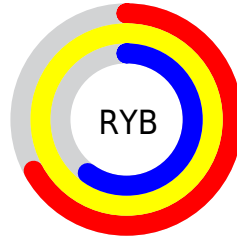
The Yxy color **85.9133, 0.3776, 0.4147** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.4513, 0.2418, 0.2253**, and the grayscale version is **83.1103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **47.0909, 0.3909, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **82.9536, 0.3942, 0.4347**, and if you desaturate by 10%, it is **89.1076, 0.3606, 0.3932**.

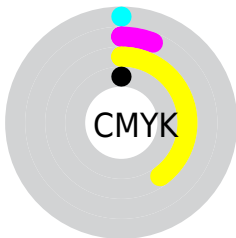
Distribution



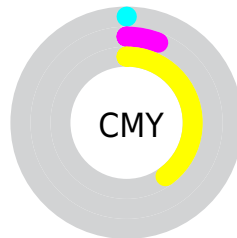
- Red (100%)
- Green (94%)
- Blue (60%)



- Red (67%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9133, 0.3776, 0.4147 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 85.9133, 0.3776, 0.4147 by changing the saturation by 10% instead.


 85.9133, 0.3776,
0.4147


 85.9133, 0.3776,
0.4147


514.6453, 0.3495,
0.3765

 64.5963, 0.3834,
0.4229


 141.6485, 0.3683,
0.4018

 47.1338, 0.3903,
0.4328


 176.8355, 0.3645,
0.3967

 33.1414, 0.3984,
0.4447


217.4145, 0.3613,
0.3922

 22.2348, 0.4081,
0.4594

263.7701, 0.3583,
0.3883

 14.0295, 0.4195,
0.4776

316.2866, 0.3558,
0.3848

 8.1412, 0.4321,
0.4999

375.3483, 0.3534,

 4.1854, 0.4576,

0.3817

0.5424

441.3398, 0.3514,
0.3790

■ 1.7778, 0.4476,
0.5524

■ 0.4733, 0.3759,
0.6241

■ 85.9133, 0.3776,
0.4147

■ 85.9133, 0.3776,
0.4147

■ 82.9536, 0.3942,
0.4347

■ 89.1076, 0.3606,
0.3932

■ 80.2050, 0.4097,
0.4522

■ 92.5356, 0.3437,
0.3712

■ 77.6583, 0.4234,
0.4662

■ 96.2112, 0.3274,
0.3493

■ 75.2984, 0.4346,
0.4759

99.9964, 0.3127,
0.3290

■ 73.1076, 0.4429,
0.4810

■ 71.0582, 0.4485,
0.4819

■ 70.9788, 0.4487,
0.4819

Harmonies

Analogous

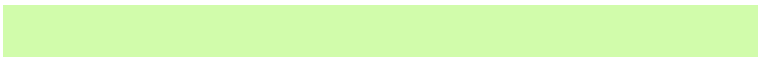
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9133, 0.4073, 0.3884



85.9133, 0.3776, 0.4147



85.9133, 0.3317, 0.4174

Triad

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



85.9133, 0.3776, 0.4147



85.9133, 0.2239, 0.2947



85.9133, 0.3381, 0.2776

Complementary

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



85.9133, 0.3776, 0.4147



42.4513, 0.2418, 0.2253

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.



85.9133, 0.2876, 0.2555



85.9133, 0.3776, 0.4147



85.9133, 0.2252, 0.2623

Square

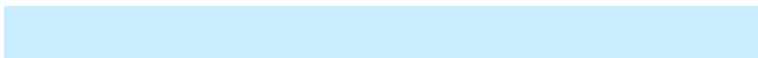
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9133, 0.3776, 0.4147



85.9133, 0.2441, 0.3422



85.9133, 0.2474, 0.2495



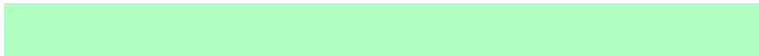
85.9133, 0.3845, 0.3113

Rectangle

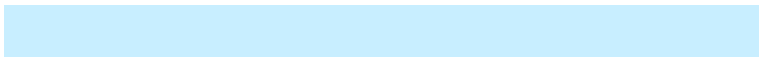
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9133, 0.3776, 0.4147



85.9133, 0.2987, 0.4022



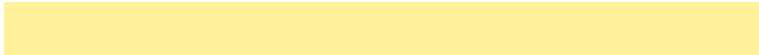
85.9133, 0.2474, 0.2495



85.9133, 0.3209, 0.2687

Sweetspot

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



85.9172, 0.3776, 0.4147



95.3238, 0.3313, 0.3545



47.2365, 0.3977, 0.3133



20.2990, 0.3334, 0.3573



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

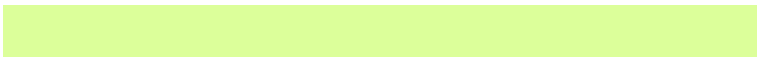
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9172, 0.3776, 0.4147



83.4284, 0.3916, 0.4317



88.9999, 0.3480, 0.4363



20.6048, 0.3273, 0.3491



37.2686, 0.4482, 0.4823



3.7481, 0.4444, 0.4854

Inverse Universe

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



42.4513, 0.2418, 0.2253



34.2244, 0.2248, 0.1989



41.1914, 0.2643, 0.2148



17.8121, 0.2979, 0.3081



4.6197, 0.1533, 0.0719



0.5724, 0.1579, 0.0886

Previews

White Background



This preview shows how the Yxy color 85.9133, 0.3776, 0.4147 looks on a white background.

Color Contrast Check

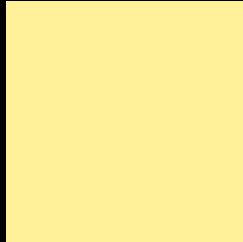
Large Text (above 18pt) WCAG AA × Fail

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 85.9133, 0.3776, 0.4147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

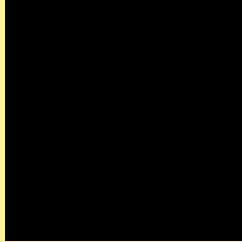
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.9133, 0.3776, 0.4147

Background



This preview shows how black text looks on a background with the Yxy color 85.9133, 0.3776, 0.4147.



This preview shows how white text looks on a background with the Yxy color 85.9133, 0.3776, 0.4147.

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

85.9133, 0.3776, 0.4147

Protanopia

86.1673, 0.3635, 0.3913

Deuteranopia

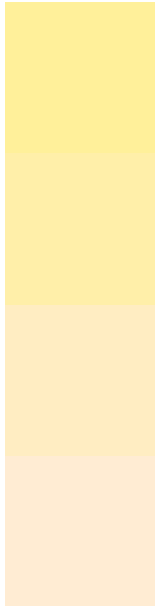
85.6864, 0.3380, 0.3470



Tritanopia

86.0089, 0.3213, 0.3193

Trichromacy



Original Color

85.9133, 0.3776, 0.4147

Protanomaly

85.8576, 0.3686, 0.3992

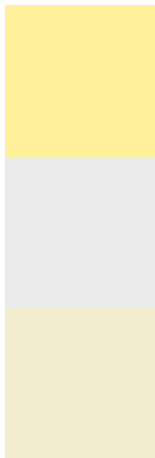
Deuteranomaly

85.7234, 0.3529, 0.3722

Tritanomaly

85.9541, 0.3418, 0.3540

Monochromacy



Original Color

85.9133, 0.3776, 0.4147

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9019, 0.3358, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9133, 0.3776, 0.4147 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, 240, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 154)  
}
```

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, 240, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 154) }
```

Border

The CSS property to change the border of an element to Yxy 85.9133, 0.3776, 0.4147 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, 240, 154) }
```

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

```
.border{ border-color:rgb(255, 240, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9133, 0.3776, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 154) }
```

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

```
.background{ background-color: rgb(255,  
240, 154) }
```

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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