

Converting Colors

$Y_{xy}(100.0000, 0.4333, 0.4133)$

Have a look what the booklet for
Yxy(100.0000, 0.4333, 0.4133)
contains.

Yxy(85.3577, 0.3883, 0.4313)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.3577, 0.3883, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	FFF088
RGB	255, 240, 136
RGB Percent	100%, 94%, 53%
CMY	0.0000, 0.0588, 0.4668
CMYK	0.00, 0.06, 0.47, 0.00
HSL	52°, 100%, 77%
HSV	52°, 47%, 100%
XYZ	76.8477, 85.3577, 35.7026
YIQ	232.6290, 42.3240, -29.1640

Conversions

Conversions Part 2

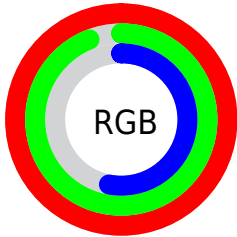
Format	Color
R _Y B	153, 255, 136
Decimal	16773256
CIE Lab	94.04, -8.50, 51.80
CIE LCh	94, 52.497, 99.314
Yxy	85.3577, 0.3883, 0.4313
Android (android.graphics.Color)	4294963336 (0xFFFFF088)
YUV	232.6290, -47.6381, 19.6194
Hunter-Lab	92.3892, -13.2081, 41.7606

Details

The Yxy color **85.3577, 0.3883, 0.4313** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.5715, 0.2269, 0.1998**, and the grayscale version is **81.5295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **46.6413, 0.4022, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **82.8419, 0.4036, 0.4500**, and if you desaturate by 10%, it is **88.0791, 0.3719, 0.4104**.

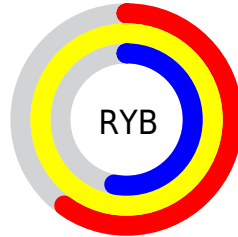
Distribution



Red (100%)

Green (94%)

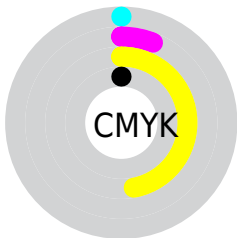
Blue (53%)



Red (60%)

Yellow (100%)

Blue (53%)

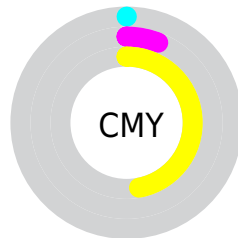


Cyan (0%)

Magenta (6%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3577, 0.3883, 0.4313 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 85.3577, 0.3883, 0.4313 by changing the saturation by 10% instead.


 85.3577, 0.3883,
0.4313


 85.3577, 0.3883,
0.4313

512.8109, 0.3561,
0.3860

 64.1370, 0.3947,
0.4409


 140.8728, 0.3778,
0.4162

 46.7616, 0.4022,
0.4522


 175.9360, 0.3736,
0.4101

 32.8473, 0.4107,
0.4657


 216.3822, 0.3698,
0.4048

 22.0095, 0.4204,
0.4819

262.5957, 0.3664,
0.4001

 13.8638, 0.4309,
0.5011

314.9609, 0.3634,
0.3960

 8.0260, 0.4429,
0.5256


373.8622, 0.3607,


 4.1116, 0.4496,

0.3923

0.5504


439.6841, 0.3583,
0.3890


 1.7362, 0.4367,
0.5633


 0.4469, 0.3272,
0.6728


 85.3577, 0.3883,
0.4313

 85.3577, 0.3883,
0.4313


 82.8419, 0.4036,
0.4500

 88.0791, 0.3719,
0.4104

 80.5195, 0.4172,
0.4654

 91.0180, 0.3552,
0.3882

 78.3763, 0.4284,
0.4766

 94.1847, 0.3387,
0.3656

 76.3954, 0.4368,
0.4834

 97.5887, 0.3228,
0.3434

■ 74.5559, 0.4424,
0.4856

100.0000, 0.3127,
0.3290

■ 73.9663, 0.4439,
0.4857

Harmonies

Analogous

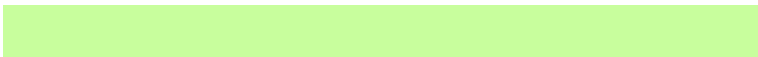
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3577, 0.4249, 0.3985



85.3577, 0.3883, 0.4313



85.3577, 0.3333, 0.4362

Triad

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



85.3577, 0.3883, 0.4313



85.3577, 0.2079, 0.2862



85.3577, 0.3436, 0.2690

Complementary

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



85.3577, 0.3883, 0.4313



34.5715, 0.2269, 0.1998

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.



85.3577, 0.2832, 0.2431



85.3577, 0.3883, 0.4313



85.3577, 0.2100, 0.2490

Square

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



85.3577, 0.3883, 0.4313



85.3577, 0.2306, 0.3432



85.3577, 0.2359, 0.2354



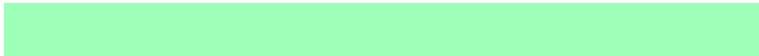
85.3577, 0.3996, 0.3081

Rectangle

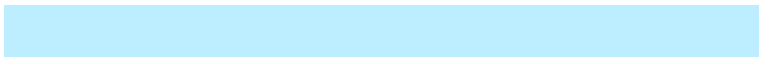
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3577, 0.3883, 0.4313



85.3577, 0.2941, 0.4178



85.3577, 0.2359, 0.2354



85.3577, 0.3229, 0.2586

Sweetspot

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



85.3575, 0.3883, 0.4313



95.0738, 0.3344, 0.3596



41.1191, 0.4237, 0.3128



20.1963, 0.3379, 0.3644



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

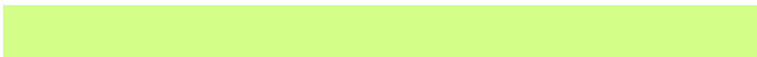
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3575, 0.3883, 0.4313



83.0071, 0.4026, 0.4488



87.1975, 0.3518, 0.4567



20.6771, 0.3272, 0.3496



38.8023, 0.4434, 0.4861



3.8827, 0.4403, 0.4886

Inverse Universe

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



34.5715, 0.2269, 0.1998



26.6944, 0.2080, 0.1695



34.4740, 0.2548, 0.1927



17.7464, 0.2979, 0.3075



4.4299, 0.1526, 0.0693



0.5417, 0.1568, 0.0845

Previews

White Background



This preview shows how the Yxy color 85.3577, 0.3883, 0.4313 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 85.3577, 0.3883, 0.4313 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 85.3577, 0.3883, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 85.3577, 0.3883, 0.4313.



This preview shows how white text looks on a background with the Yxy color 85.3577, 0.3883, 0.4313.

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

85.3577, 0.3883, 0.4313

Protanopia

85.3493, 0.3676, 0.3963

Deuteranopia

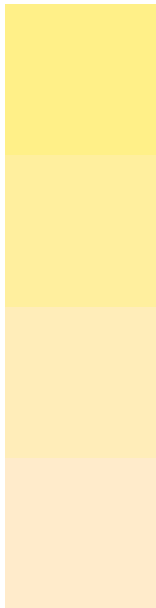
85.4808, 0.3407, 0.3510



Tritanopia

85.3840, 0.3220, 0.3192

Trichromacy



Original Color

85.3577, 0.3883, 0.4313

Protanomaly

85.4616, 0.3755, 0.4100

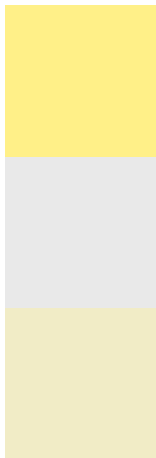
Deuteranomaly

85.3312, 0.3588, 0.3814

Tritanomaly

84.9885, 0.3473, 0.3612

Monochromacy



Original Color

85.3577, 0.3883, 0.4313

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.7689, 0.3404, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3577, 0.3883, 0.4313 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 136) }
```

Border

The CSS property to change the border of an element to Yxy 85.3577, 0.3883, 0.4313 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, 136) }
```

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

```
.border{ border-color:rgb(255, 240, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 136); box-shadow:4px 4px 4px 4px rgb(255, 240, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3577, 0.3883, 0.4313 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, 136) }
```

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

```
.background{ background-color: rgb(255,  
240, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor