

Converting Colors

$Y_{xy}(100.0000, 0.4331, 0.4128)$

Have a look what the booklet for
Yxy(100.0000, 0.4331, 0.4128)
contains.

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Color

Yxy(85.3863, 0.3877, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	FFF089
RGB	255, 240, 137
RGB Percent	100%, 94%, 54%
CMY	0.0000, 0.0588, 0.4628
CMYK	0.00, 0.06, 0.46, 0.00
HSL	52°, 100%, 77%
HSV	52°, 46%, 100%
XYZ	76.9151, 85.3863, 36.0868
YIQ	232.7430, 42.0030, -28.8530

Conversions

Conversions Part 2

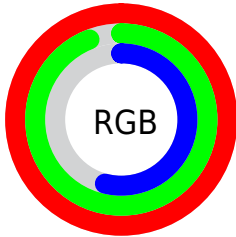
Format	Color
R _Y B	154, 255, 137
Decimal	16773257
CIE Lab	94.05, -8.41, 51.33
CIE LCh	94, 52.018, 99.307
Yxy	85.3863, 0.3877, 0.4304
Android (android.graphics.Color)	4294963337 (0xFFFFF089)
YUV	232.7430, -47.2013, 19.5194
Hunter-Lab	92.4047, -13.1298, 41.5288

Details

The Yxy color **85.3863, 0.3877, 0.4304** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.9858, 0.2277, 0.2012**, and the grayscale version is **81.6209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **46.6568, 0.4015, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **82.8519, 0.4031, 0.4492**, and if you desaturate by 10%, it is **88.1345, 0.3713, 0.4094**.

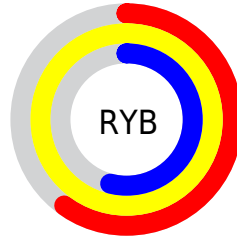
Distribution



Red (100%)

Green (94%)

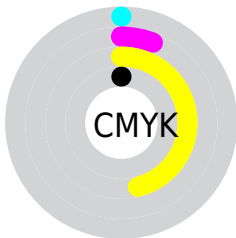
Blue (54%)



Red (60%)

Yellow (100%)

Blue (54%)

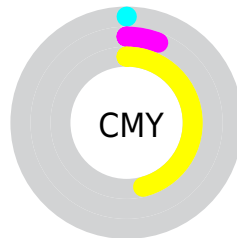


Cyan (0%)

Magenta (6%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3863, 0.3877, 0.4304 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 85.3863, 0.3877, 0.4304 by changing the saturation by 10% instead.


 85.3863, 0.3877,
0.4304

 85.3863, 0.3877,
0.4304


512.9054, 0.3557,
0.3855

 64.1606, 0.3941,
0.4399


 140.9128, 0.3773,
0.4154

 46.7808, 0.4015,
0.4512


 175.9823, 0.3730,
0.4094

 32.8624, 0.4101,
0.4646


 216.4353, 0.3693,
0.4041

 22.0210, 0.4198,
0.4807

262.6562, 0.3660,
0.3995

 13.8724, 0.4303,
0.4999

315.0292, 0.3630,
0.3954

 8.0319, 0.4422,
0.5242

373.9388, 0.3603,

 4.1154, 0.4500,

0.3917

0.5500

439.7694, 0.3579,
0.3884

■ 1.7383, 0.4373,
0.5627

■ 0.4483, 0.3299,
0.6701

■ 85.3863, 0.3877,
0.4304

■ 85.3863, 0.3877,
0.4304

■ 82.8519, 0.4031,
0.4492

■ 88.1345, 0.3713,
0.4094

■ 80.5085, 0.4168,
0.4647

■ 91.0976, 0.3546,
0.3872

■ 78.3453, 0.4281,
0.4761

■ 94.2894, 0.3381,
0.3647

■ 76.3457, 0.4367,
0.4830

■ 97.7196, 0.3222,
0.3425

■ 74.4892, 0.4424,
0.4854

100.0000, 0.3127,
0.3290

■ 73.8238, 0.4441,
0.4856

Harmonies

Analogous

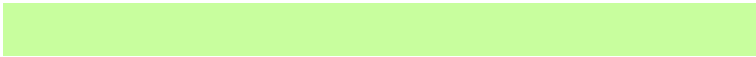
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3863, 0.4239, 0.3980



85.3863, 0.3877, 0.4304



85.3863, 0.3332, 0.4351

Triad

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



85.3863, 0.3877, 0.4304



85.3863, 0.2088, 0.2866



85.3863, 0.3433, 0.2695

Complementary

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



85.3863, 0.3877, 0.4304



34.9858, 0.2277, 0.2012

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.



85.3863, 0.2834, 0.2438



85.3863, 0.3877, 0.4304



85.3863, 0.2108, 0.2498

Square

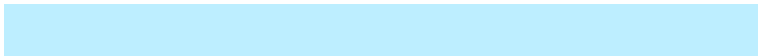
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3863, 0.3877, 0.4304



85.3863, 0.2313, 0.3431



85.3863, 0.2366, 0.2361



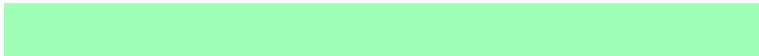
85.3863, 0.3988, 0.3083

Rectangle

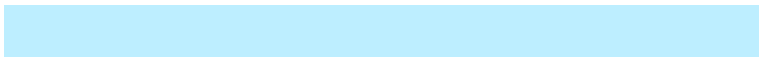
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3863, 0.3877, 0.4304



85.3863, 0.2944, 0.4169



85.3863, 0.2366, 0.2361



85.3863, 0.3228, 0.2592

Sweetspot

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



85.3897, 0.3877, 0.4304



95.0506, 0.3344, 0.3596



41.4372, 0.4222, 0.3129



20.1906, 0.3379, 0.3644



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

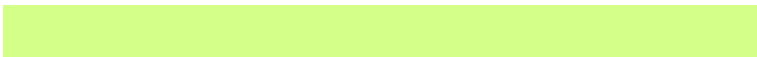
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3897, 0.3877, 0.4304



82.9205, 0.4027, 0.4487



87.2822, 0.3515, 0.4556



20.6737, 0.3272, 0.3496



38.7289, 0.4437, 0.4859



3.8763, 0.4405, 0.4885

Inverse Universe

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



34.9858, 0.2277, 0.2012



26.7343, 0.2081, 0.1697



34.8406, 0.2554, 0.1940



17.7495, 0.2979, 0.3076



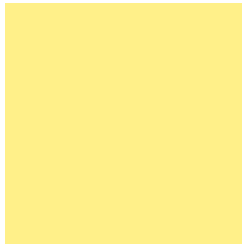
4.4382, 0.1526, 0.0694



0.5431, 0.1569, 0.0847

Previews

White Background



This preview shows how the Yxy color 85.3863, 0.3877, 0.4304 looks on a white background.

Color Contrast Check

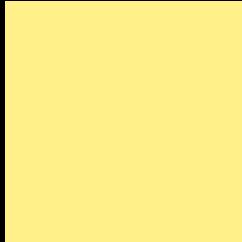
Large Text (above 18pt) WCAG AA × Fail

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 85.3863, 0.3877, 0.4304 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 85.3863, 0.3877, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 85.3863, 0.3877, 0.4304.



This preview shows how white text looks on a background with the Yxy color 85.3863, 0.3877, 0.4304.

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

85.3863, 0.3877, 0.4304

Protanopia

85.3493, 0.3676, 0.3963

Deuteranopia

85.4808, 0.3407, 0.3510



Tritanopia

85.3840, 0.3220, 0.3192

Trichromacy



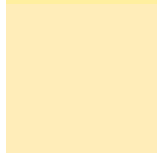
Original Color

85.3863, 0.3877, 0.4304



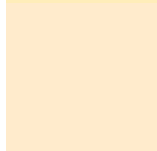
Protanomaly

85.4962, 0.3749, 0.4090



Deuteranomaly

85.3312, 0.3588, 0.3814



Tritanomaly

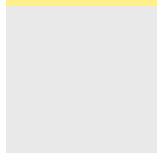
85.0363, 0.3466, 0.3602

Monochromacy



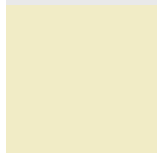
Original Color

85.3863, 0.3877, 0.4304



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 85.3863, 0.3877, 0.4304 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 137) }
```

Border

The CSS property to change the border of an element to Yxy 85.3863, 0.3877, 0.4304 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, 137) }
```

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

```
.border{ border-color:rgb(255, 240, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 137); box-shadow:4px 4px 4px 4px rgb(255, 240, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3863, 0.3877, 0.4304 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, 137) }
```

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

```
.background{ background-color: rgb(255,  
240, 137) }
```

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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