

Converting Colors

$Y_{xy}(100.0000, 0.4320, 0.4180)$

Have a look what the booklet for
Yxy(100.0000, 0.4320, 0.4180)
contains.

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Color

Yxy(86.4577, 0.3891, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	FFF285
RGB	255, 242, 133
RGB Percent	100%, 95%, 52%
CMY	0.0000, 0.0510, 0.4786
CMYK	0.00, 0.05, 0.48, 0.00
HSL	54°, 100%, 76%
HSV	54°, 48%, 100%
XYZ	77.2284, 86.4577, 34.7935
YIQ	233.4610, 42.7370, -31.1430

Conversions

Conversions Part 2

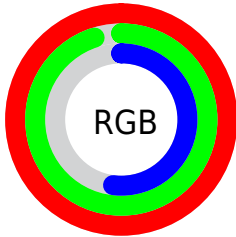
Format	Color
R_{YB}	148, 255, 133
Decimal	16773765
CIE _{Lab}	94.51, -9.76, 53.80
CIE _{LCh}	95, 54.674, 100.280
Yxy	86.4577, 0.3891, 0.4356
Android (android.graphics.Color)	4294963845 (0xFFFFF285)
YUV	233.4610, -49.5273, 18.8897
Hunter-Lab	92.9826, -14.4632, 42.9019

Details

The Yxy color **86.4577, 0.3891, 0.4356** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.7491, 0.2239, 0.1930**, and the grayscale version is **82.2051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **47.4328, 0.4026, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **84.2325, 0.4037, 0.4542**, and if you desaturate by 10%, it is **88.8793, 0.3732, 0.4146**.

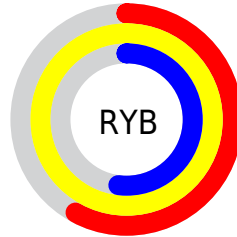
Distribution



Red (100%)

Green (95%)

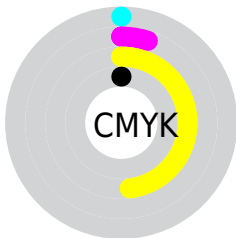
Blue (52%)



Red (58%)

Yellow (100%)

Blue (52%)

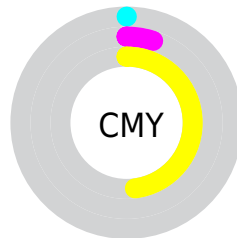


Cyan (0%)

Magenta (5%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4577, 0.3891, 0.4356 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 86.4577, 0.3891, 0.4356 by changing the saturation by 10% instead.


 86.4577, 0.3891,
0.4356


 86.4577, 0.3891,
0.4356

516.4392, 0.3569,
0.3885

 65.0465, 0.3955,
0.4455


 142.4080, 0.3787,
0.4199

 47.4988, 0.4028,
0.4572


 177.7160, 0.3744,
0.4136

 33.4302, 0.4111,
0.4711


 218.4249, 0.3706,
0.4081

 22.4562, 0.4203,
0.4877

264.9193, 0.3673,
0.4032

 14.1925, 0.4300,
0.5072

317.5836, 0.3642,
0.3989

 8.2547, 0.4414,
0.5329

376.8020, 0.3615,

 4.2583, 0.4444,

0.3950

0.5556

442.9591, 0.3591,
0.3916

■ 1.8191, 0.4299,
0.5701

■ 0.4990, 0.3212,
0.6788

■ 86.4577, 0.3891,
0.4356

■ 86.4577, 0.3891,
0.4356

■ 84.2325, 0.4037,
0.4542

■ 88.8793, 0.3732,
0.4146

■ 82.1890, 0.4164,
0.4694

■ 91.5067, 0.3568,
0.3921

■ 80.3134, 0.4267,
0.4803

■ 94.3511, 0.3405,
0.3691

■ 78.5888, 0.4342,
0.4867

■ 97.4220, 0.3246,
0.3463

■ 76.9923, 0.4389,
0.4889

100.0000, 0.3127,
0.3290

■ 76.6599, 0.4398,
0.4890

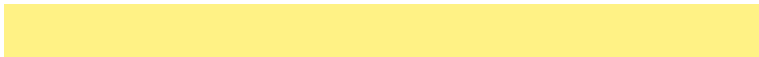
Harmonies

Analogous

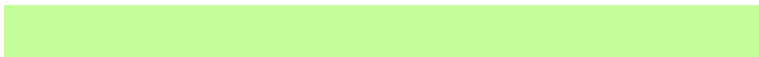
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4577, 0.4280, 0.4018



86.4577, 0.3891, 0.4356



86.4577, 0.3318, 0.4399

Triad

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



86.4577, 0.3891, 0.4356



86.4577, 0.2042, 0.2828



86.4577, 0.3467, 0.2681

Complementary

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



86.4577, 0.3891, 0.4356



32.7491, 0.2239, 0.1930

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.



86.4577, 0.2839, 0.2410



86.4577, 0.3891, 0.4356



86.4577, 0.2072, 0.2454

Square

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



86.4577, 0.3891, 0.4356



86.4577, 0.2266, 0.3415



86.4577, 0.2346, 0.2322



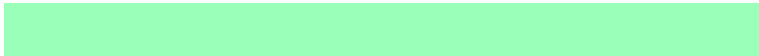
86.4577, 0.4044, 0.3086

Rectangle

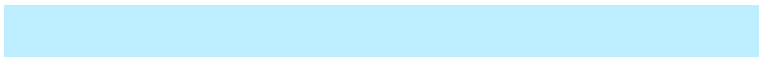
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4577, 0.3891, 0.4356



86.4577, 0.2913, 0.4200



86.4577, 0.2346, 0.2322



86.4577, 0.3252, 0.2573

Sweetspot

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



86.4584, 0.3891, 0.4356



95.5084, 0.3343, 0.3602



40.1379, 0.4303, 0.3146



20.3033, 0.3377, 0.3652



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.



86.4584, 0.3891, 0.4356



84.4161, 0.4025, 0.4527



86.6541, 0.3511, 0.4606



20.7406, 0.3272, 0.3500



40.1899, 0.4394, 0.4893



4.0040, 0.4368, 0.4914

Inverse Universe

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



32.7491, 0.2239, 0.1930



25.2128, 0.2053, 0.1629



33.6576, 0.2545, 0.1895



17.6890, 0.2979, 0.3071



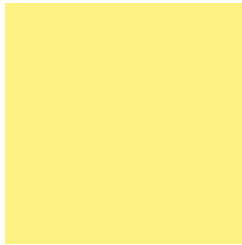
4.2860, 0.1520, 0.0673



0.5147, 0.1558, 0.0808

Previews

White Background



This preview shows how the Yxy color 86.4577, 0.3891, 0.4356 looks on a white background.

Color Contrast Check

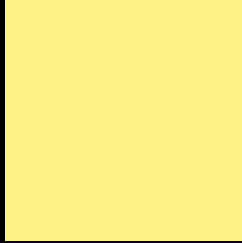
Large Text (above 18pt) WCAG AA × Fail

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 86.4577, 0.3891, 0.4356 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 86.4577, 0.3891, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 86.4577, 0.3891, 0.4356.

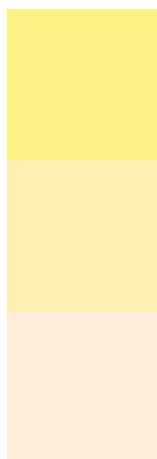


This preview shows how white text looks on a background with the Yxy color 86.4577, 0.3891, 0.4356.

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

86.4577, 0.3891, 0.4356

Protanopia

86.2074, 0.3628, 0.3903

Deuteranopia

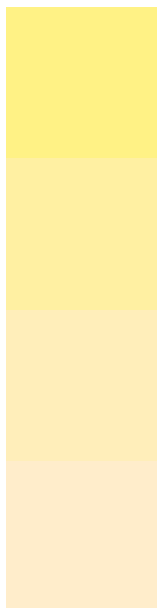
86.2607, 0.3379, 0.3480



Tritanopia

86.5767, 0.3212, 0.3202

Trichromacy



Original Color

86.4577, 0.3891, 0.4356

Protanomaly

86.1888, 0.3727, 0.4070

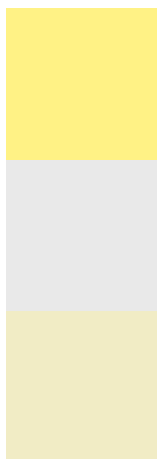
Deuteranomaly

85.9542, 0.3579, 0.3813

Tritanomaly

86.1402, 0.3469, 0.3631

Monochromacy



Original Color

86.4577, 0.3891, 0.4356

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.7229, 0.3411, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4577, 0.3891, 0.4356 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, 242, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 133)  
}
```

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, 242, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 133) }
```

Border

The CSS property to change the border of an element to Yxy 86.4577, 0.3891, 0.4356 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, 242, 133) }
```

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

```
.border{ border-color:rgb(255, 242, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4577, 0.3891, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 133) }
```

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

```
.background{ background-color: rgb(255,  
242, 133) }
```

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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