

Converting Colors

$Yxy(99.7467, 0.4344, 0.4171)$

Have a look what the booklet for
Yxy(99.7467, 0.4344, 0.4171)
contains.

Yxy(85.8365, 0.3901, 0.4356)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.8365, 0.3901, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	FFF184
RGB	255, 241, 132
RGB Percent	100%, 95%, 52%
CMY	0.0000, 0.0549, 0.4823
CMYK	0.00, 0.05, 0.48, 0.00
HSL	53°, 100%, 76%
HSV	53°, 48%, 100%
XYZ	76.8706, 85.8365, 34.3464
YIQ	232.7600, 43.3330, -30.9310

Conversions

Conversions Part 2

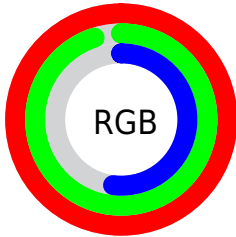
Format	Color
R _Y B	148, 255, 132
Decimal	16773508
CIE Lab	94.24, -9.34, 53.93
CIE LCh	94, 54.729, 99.821
Yxy	85.8365, 0.3901, 0.4356
Android (android.graphics.Color)	4294963588 (0xFFFFF184)
YUV	232.7600, -49.6747, 19.5045
Hunter-Lab	92.6480, -14.0315, 42.8736

Details

The Yxy color **85.8365, 0.3901, 0.4356** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.6863, 0.2233, 0.1929**, and the grayscale version is **81.6487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **46.9982, 0.4039, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **83.5130, 0.4048, 0.4540**, and if you desaturate by 10%, it is **88.3516, 0.3741, 0.4148**.

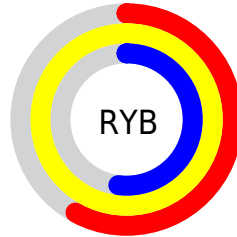
Distribution



Red (100%)

Green (95%)

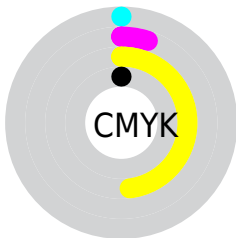
Blue (52%)



Red (58%)

Yellow (100%)

Blue (52%)

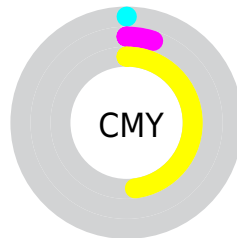


Cyan (0%)

Magenta (5%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8365, 0.3901, 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 85.8365, 0.3901, 0.4356 by changing the saturation by 10% instead.

 85.8365, 0.3901,
0.4356

 85.8365, 0.3901,
0.4356


514.3919, 0.3574,
0.3885


 64.5328, 0.3966,
0.4455


 141.5413, 0.3795,
0.4199

 47.0823, 0.4040,
0.4572


 176.7112, 0.3752,
0.4136

 33.1007, 0.4124,
0.4710


 217.2719, 0.3713,
0.4081

 22.2036, 0.4218,
0.4875

263.6079, 0.3679,
0.4032

 14.0066, 0.4317,
0.5069

316.1034, 0.3649,
0.3989

 8.1253, 0.4437,
0.5328

375.1431, 0.3621,

 4.1752, 0.4460,

0.3951

0.5540

441.1111, 0.3596,
0.3916

■ 1.7720, 0.4320,
0.5680

■ 0.4697, 0.3175,
0.6825

■ 85.8365, 0.3901,
0.4356

■ 85.8365, 0.3901,
0.4356

■ 83.5130, 0.4048,
0.4540

■ 88.3516, 0.3741,
0.4148

■ 81.3779, 0.4177,
0.4689

■ 91.0794, 0.3576,
0.3925

■ 79.4136, 0.4281,
0.4797

■ 94.0272, 0.3411,
0.3696

■ 77.6027, 0.4357,
0.4858

■ 97.2047, 0.3252,
0.3470

■ 75.9218, 0.4406,
0.4877

100.0000, 0.3127,
0.3290

■ 75.6327, 0.4413,
0.4878

Harmonies

Analogous

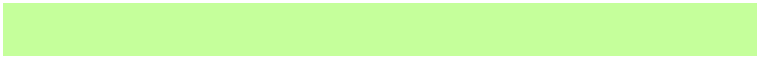
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8365, 0.4288, 0.4014



85.8365, 0.3901, 0.4356



85.8365, 0.3328, 0.4406

Triad

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



85.8365, 0.3901, 0.4356



85.8365, 0.2040, 0.2834



85.8365, 0.3458, 0.2674

Complementary

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



85.8365, 0.3901, 0.4356



32.6863, 0.2233, 0.1929

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.



85.8365, 0.2829, 0.2404



85.8365, 0.3901, 0.4356



85.8365, 0.2066, 0.2455

Square

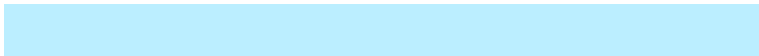
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8365, 0.3901, 0.4356



85.8365, 0.2268, 0.3425



85.8365, 0.2337, 0.2320



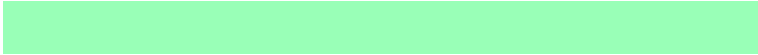
85.8365, 0.4040, 0.3078

Rectangle

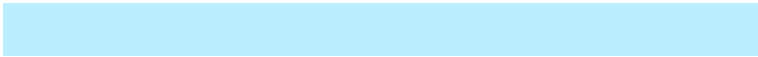
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8365, 0.3901, 0.4356



85.8365, 0.2922, 0.4210



85.8365, 0.2337, 0.2320



85.8365, 0.3242, 0.2566

Sweetspot

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



85.8333, 0.3901, 0.4356



95.3440, 0.3343, 0.3600



39.8497, 0.4318, 0.3145



20.2628, 0.3378, 0.3649



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

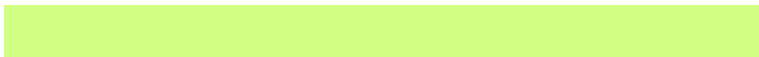
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8333, 0.3901, 0.4356



83.5651, 0.4045, 0.4536



86.5744, 0.3514, 0.4616



20.7166, 0.3272, 0.3499



39.6608, 0.4409, 0.4881



3.9578, 0.4381, 0.4903

Inverse Universe

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



32.6863, 0.2233, 0.1929



24.7526, 0.2037, 0.1609



33.3252, 0.2539, 0.1884



17.7107, 0.2979, 0.3072



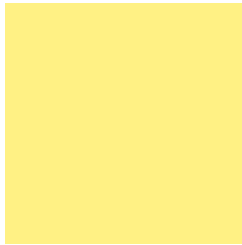
4.3380, 0.1522, 0.0680



0.5249, 0.1562, 0.0822

Previews

White Background



This preview shows how the Yxy color 85.8365, 0.3901, 0.4356 looks on a white background.

Color Contrast Check

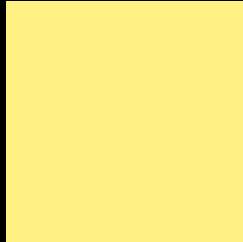
Large Text (above 18pt) WCAG AA × Fail

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 85.8365, 0.3901, 0.4356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

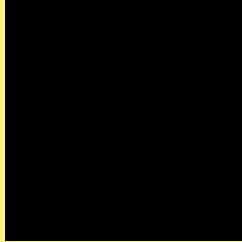
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8365, 0.3901, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 85.8365, 0.3901, 0.4356.

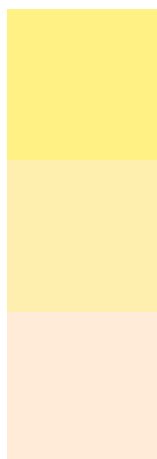


This preview shows how white text looks on a background with the Yxy color 85.8365, 0.3901, 0.4356.

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

85.8365, 0.3901, 0.4356

Protanopia

86.0490, 0.3654, 0.3943

Deuteranopia

85.5830, 0.3393, 0.3490



Tritanopia

86.0089, 0.3213, 0.3193

Trichromacy



Original Color

85.8365, 0.3901, 0.4356



Protanomaly

86.0834, 0.3745, 0.4099



Deuteranomaly

85.3312, 0.3588, 0.3814



Tritanomaly

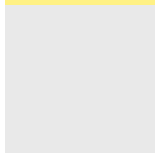
85.5627, 0.3471, 0.3621

Monochromacy



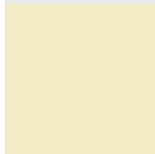
Original Color

85.8365, 0.3901, 0.4356



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

82.6772, 0.3417, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8365, 0.3901, 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, 241, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 132)  
}
```

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, 241, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 132) }
```

Border

The CSS property to change the border of an element to Yxy 85.8365, 0.3901, 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, 241, 132) }
```

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

```
.border{ border-color:rgb(255, 241, 132) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8365, 0.3901, 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, 241, 132) }
```

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

```
.background{ background-color: rgb(255,  
241, 132) }
```

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