

Converting Colors

$Y_{xy}(113.0831, 0.4512, 0.4117)$

Have a look what the booklet for
Yxy(113.0831, 0.4512, 0.4117)
contains.

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Color

Yxy(90.0883, 0.3864, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	FFF885
RGB	255, 248, 133
RGB Percent	100%, 97%, 52%
CMY	0.0000, 0.0274, 0.4782
CMYK	0.00, 0.03, 0.48, 0.00
HSL	57°, 100%, 76%
HSV	57°, 48%, 100%
XYZ	79.0421, 90.0883, 35.4298
YIQ	236.9830, 41.0870, -34.2810

Conversions

Conversions Part 2

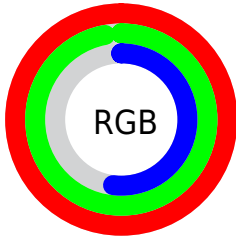
Format	Color
RYB	140, 255, 133
Decimal	16775301
CIELab	96.03, -12.71, 55.60
CIELCh	96, 57.033, 102.876
Yxy	90.0883, 0.3864, 0.4404
Android (android.graphics.Color)	4294965381 (0xFFFFFFFF885)
YUV	236.9830, -51.2636, 15.8009
Hunter-Lab	94.9149, -17.4519, 44.3086

Details

The Yxy color **90.0883, 0.3864, 0.4404** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.9771, 0.2226, 0.1858**, and the grayscale version is **85.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **50.0142, 0.3985, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **88.5758, 0.3998, 0.4596**, and if you desaturate by 10%, it is **91.7872, 0.3716, 0.4186**.

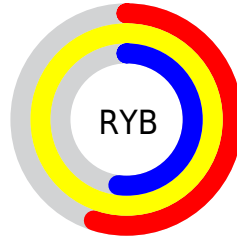
Distribution



Red (100%)

Green (97%)

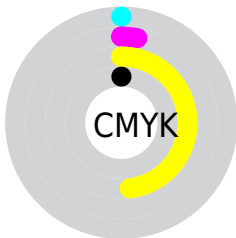
Blue (52%)



Red (55%)

Yellow (100%)

Blue (52%)

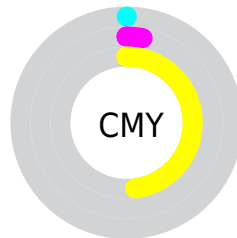


Cyan (0%)

Magenta (3%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (3%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0883, 0.3864, 0.4404 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 90.0883, 0.3864, 0.4404 by changing the saturation by 10% instead.


 90.0883, 0.3864,
0.4404


 90.0883, 0.3864,
0.4404


528.3180, 0.3559,
0.3913

 68.0539, 0.3923,
0.4507

 147.4610, 0.3766,
0.4240

 49.9416, 0.3990,
0.4629


 183.5682, 0.3726,
0.4175

 35.3670, 0.4065,
0.4773


 225.1349, 0.3690,
0.4117

 23.9457, 0.4147,
0.4946

272.5458, 0.3658,
0.4067

 15.2933, 0.4229,
0.5150

326.1852, 0.3629,
0.4022

 9.0255, 0.4316,
0.5410

386.4374, 0.3603,

 4.7578, 0.4332,

0.3981

453.6869, 0.3580,
0.3945

0.5668

2.1059, 0.4157,
0.5843

0.6679, 0.3270,
0.6730

90.0883, 0.3864,
0.4404

90.0883, 0.3864,
0.4404

88.5758, 0.3998,
0.4596

91.7872, 0.3716,
0.4186

87.2246, 0.4111,
0.4753

93.6714, 0.3559,
0.3952

86.0246, 0.4199,
0.4867

95.7554, 0.3401,
0.3711

84.9588, 0.4259,
0.4937

98.0488, 0.3245,
0.3472

■ 84.0046, 0.4293,
0.4965

99.9989, 0.3127,
0.3290

■ 83.8046, 0.4299,
0.4969

Harmonies

Analogous

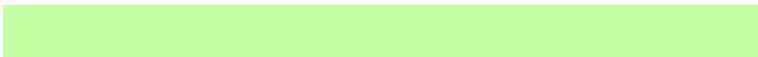
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0883, 0.4288, 0.4072



90.0883, 0.3864, 0.4404



90.0883, 0.3266, 0.4419

Triad

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



90.0883, 0.3864, 0.4404



90.0883, 0.2007, 0.2770



90.0883, 0.3533, 0.2697

Complementary

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



90.0883, 0.3864, 0.4404



30.9771, 0.2226, 0.1858

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.



90.0883, 0.2882, 0.2405



90.0883, 0.3864, 0.4404



90.0883, 0.2060, 0.2410

Square

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



90.0883, 0.3864, 0.4404



90.0883, 0.2212, 0.3359



90.0883, 0.2360, 0.2297



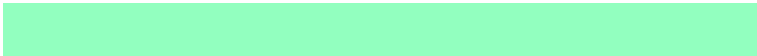
90.0883, 0.4111, 0.3119

Rectangle

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



90.0883, 0.3864, 0.4404



90.0883, 0.2854, 0.4190



90.0883, 0.2360, 0.2297



90.0883, 0.3312, 0.2582

Sweetspot

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



90.0925, 0.3864, 0.4404



96.6120, 0.3340, 0.3619



39.9758, 0.4372, 0.3210



20.5753, 0.3374, 0.3671



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

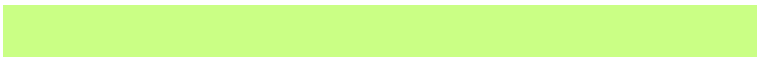
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0925, 0.3864, 0.4404



88.6989, 0.3987, 0.4582



85.7886, 0.3470, 0.4623



20.9018, 0.3271, 0.3512



43.8690, 0.4297, 0.4970



4.3235, 0.4284, 0.4980

Inverse Universe

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



30.9771, 0.2226, 0.1858



23.4644, 0.2035, 0.1545



34.4338, 0.2594, 0.1914



17.5447, 0.2978, 0.3058



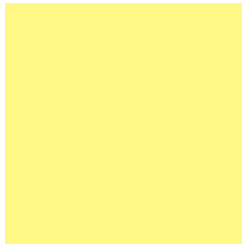
4.0110, 0.1510, 0.0634



0.4466, 0.1532, 0.0714

Previews

White Background



This preview shows how the Yxy color 90.0883, 0.3864, 0.4404 looks on a white background.

Color Contrast Check

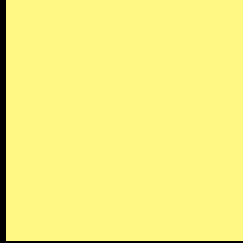
Large Text (above 18pt) WCAG AA × Fail

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 90.0883, 0.3864, 0.4404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

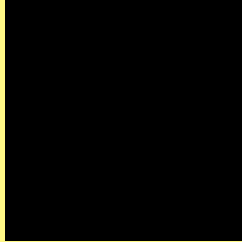
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0883, 0.3864, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 90.0883, 0.3864, 0.4404.

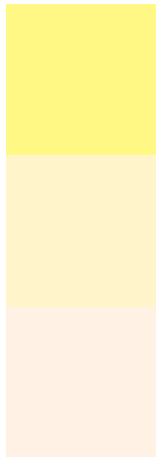


This preview shows how white text looks on a background with the Yxy color 90.0883, 0.3864, 0.4404.

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

90.0883, 0.3864, 0.4404

Protanopia

90.2256, 0.3462, 0.3708

Deuteranopia

89.7166, 0.3308, 0.3428



Tritanopia

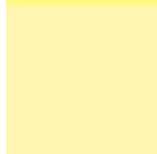
89.7703, 0.3177, 0.3203

Trichromacy



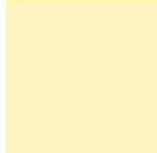
Original Color

90.0883, 0.3864, 0.4404



Protanomaly

89.7391, 0.3618, 0.3968



Deuteranomaly

89.8116, 0.3520, 0.3799



Tritanomaly

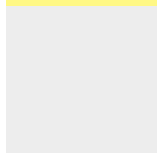
89.2205, 0.3441, 0.3649

Monochromacy



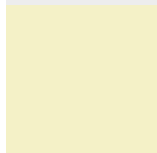
Original Color

90.0883, 0.3864, 0.4404



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.2672, 0.3410, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0883, 0.3864, 0.4404 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, 248, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 133) }
```

Border

The CSS property to change the border of an element to Yxy 90.0883, 0.3864, 0.4404 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, 248, 133) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0883, 0.3864, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 133) }
```

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

```
.background{ background-color: rgb(255,  
248, 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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