

Converting Colors

$Y_{xy}(157.8197, 0.3967, 0.4681)$

Have a look what the booklet for
Yxy(157.8197, 0.3967, 0.4681)
contains.

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Color

Yxy(94.4735, 0.3834, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF85
RGB	255, 255, 133
RGB Percent	100%, 100%, 52%
CMY	0.0001, 0.0000, 0.4782
CMYK	0.00, 0.00, 0.48, 0.00
HSL	60°, 100%, 76%
HSV	60°, 48%, 100%
XYZ	81.2315, 94.4735, 36.1665
YIQ	241.0920, 39.1620, -37.9420

Conversions

Conversions Part 2

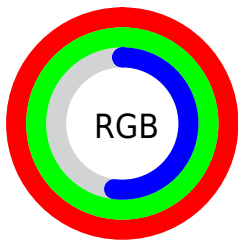
Format	Color
R _Y B	133, 255, 133
Decimal	16777093
CIE Lab	97.82, -16.12, 57.74
CIE LCh	98, 59.944, 105.598
Yxy	94.4735, 0.3834, 0.4459
Android (android.graphics.Color)	4294967173 (0xFFFFFFFF85)
YUV	241.0920, -53.2894, 12.1973
Hunter-Lab	97.1975, -20.9165, 45.9769

Details

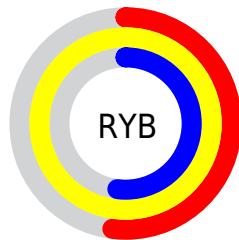
The Yxy color **94.4735, 0.3834, 0.4459** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.0064, 0.2211, 0.1775**, and the grayscale version is **88.4439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **52.6884, 0.3952, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **93.8487, 0.3954, 0.4657**, and if you desaturate by 10%, it is **95.2650, 0.3697, 0.4232**.

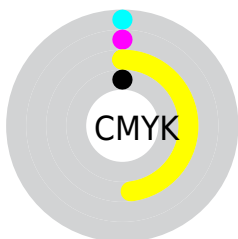
Distribution



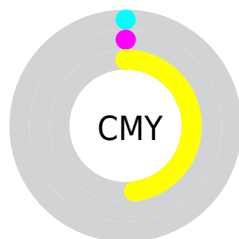
- Red (100%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.4735, 0.3834, 0.4459 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 94.4735, 0.3834, 0.4459 by changing the saturation by 10% instead.


 94.4735, 0.3834,
0.4459

 94.4735, 0.3834,
0.4459


542.4781, 0.3547,
0.3945


 71.6968, 0.3888,
0.4566

 153.5370, 0.3744,
0.4288

 52.9111, 0.3948,
0.4693


 190.5927, 0.3706,
0.4220

 37.7318, 0.4015,
0.4843


 233.1768, 0.3672,
0.4160

 25.7746, 0.4085,
0.5023

281.6738, 0.3642,
0.4106

 16.6551, 0.4152,
0.5236

336.4680, 0.3615,
0.4059

 9.9889, 0.4212,
0.5500

397.9438, 0.3590,

 5.3916, 0.4211,

0.4017

466.4857, 0.3568,
0.3980

0.5789

2.4788, 0.4008,
0.5992

0.8660, 0.3316,
0.6684

94.4735, 0.3834,
0.4459

94.4735, 0.3834,
0.4459

93.8487, 0.3954,
0.4657

95.2650, 0.3697,
0.4232

93.3846, 0.4052,
0.4819

96.2411, 0.3549,
0.3988

93.0647, 0.4124,
0.4938

97.4100, 0.3396,
0.3735

92.8721, 0.4169,
0.5013

98.7813, 0.3244,
0.3483

■ 92.7842, 0.4190,
0.5048

100.0000, 0.3127,
0.3290

■ 92.7718, 0.4193,
0.5053

Harmonies

Analogous

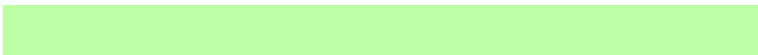
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4735, 0.4297, 0.4132



94.4735, 0.3834, 0.4459



94.4735, 0.3209, 0.4441

Triad

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



94.4735, 0.3834, 0.4459



94.4735, 0.1967, 0.2706



94.4735, 0.3607, 0.2713

Complementary

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



94.4735, 0.3834, 0.4459



29.0064, 0.2211, 0.1775

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.



94.4735, 0.2931, 0.2399



94.4735, 0.3834, 0.4459



94.4735, 0.2045, 0.2361

Square

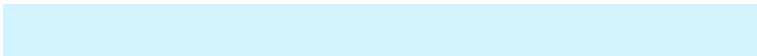
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.4735, 0.3834, 0.4459



94.4735, 0.2153, 0.3297



94.4735, 0.2376, 0.2269



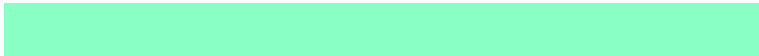
94.4735, 0.4188, 0.3156

Rectangle

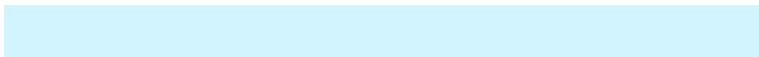
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.4735, 0.3834, 0.4459



94.4735, 0.2787, 0.4178



94.4735, 0.2376, 0.2269



94.4735, 0.3380, 0.2591

Sweetspot

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



94.4713, 0.3834, 0.4459



97.9091, 0.3338, 0.3638



39.7481, 0.4465, 0.3294



20.8954, 0.3371, 0.3693



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.



94.4713, 0.3834, 0.4459



93.8935, 0.3945, 0.4642



84.6889, 0.3416, 0.4648



21.0906, 0.3269, 0.3525



48.4754, 0.4193, 0.5053



4.7199, 0.4193, 0.5053

Inverse Universe

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



29.0064, 0.2211, 0.1775



21.5906, 0.2015, 0.1451



35.4865, 0.2660, 0.1938



17.3780, 0.2978, 0.3044



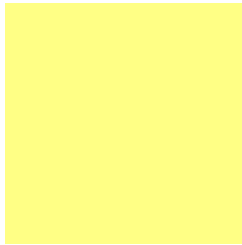
3.7728, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 94.4735, 0.3834, 0.4459 looks on a white background.

Color Contrast Check

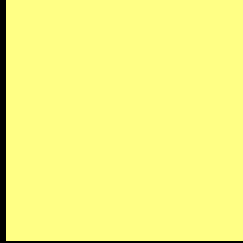
Large Text (above 18pt) WCAG AA × Fail

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 94.4735, 0.3834, 0.4459 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 94.4735, 0.3834, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 94.4735, 0.3834, 0.4459.



This preview shows how white text looks on a background with the Yxy color 94.4735, 0.3834, 0.4459.

Color Blindness Simulation

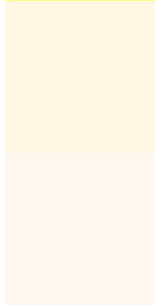
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

94.4735, 0.3834, 0.4459



Protanopia

94.5574, 0.3298, 0.3505

Deuteranopia

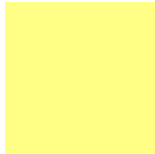
94.0728, 0.3221, 0.3358



Tritanopia

94.1998, 0.3149, 0.3233

Trichromacy



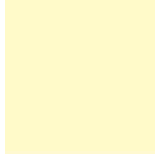
Original Color

94.4735, 0.3834, 0.4459



Protanomaly

94.1046, 0.3504, 0.3863



Deuteranomaly

93.8483, 0.3457, 0.3774



Tritanomaly

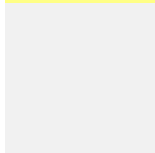
93.6148, 0.3410, 0.3685

Monochromacy



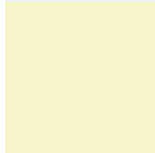
Original Color

94.4735, 0.3834, 0.4459



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.7686, 0.3397, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.4735, 0.3834, 0.4459 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, 255, 133)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 94.4735, 0.3834, 0.4459 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, 255, 133) }
```

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

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

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


Background

The CSS property to change the background color of an element to Yxy 94.4735, 0.3834, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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