

Converting Colors

$Y_{xy}(114.3126, 0.3748, 0.4695)$

Have a look what the booklet for
Yxy(114.3126, 0.3748, 0.4695)
contains.

Yxy(94.3650, 0.3855, 0.4493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.3650, 0.3855, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF81
RGB	255, 255, 129
RGB Percent	100%, 100%, 51%
CMY	0.0000, 0.0000, 0.4943
CMYK	0.00, 0.00, 0.49, 0.00
HSL	60°, 100%, 75%
HSV	60°, 49%, 100%
XYZ	80.9653, 94.3650, 34.6964
YIQ	240.6360, 40.4460, -39.1860

Conversions

Conversions Part 2

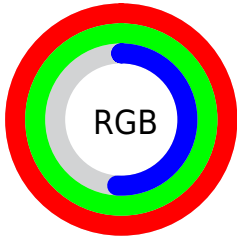
Format	Color
R _Y B	129, 255, 129
Decimal	16777089
CIE Lab	97.78, -16.45, 59.56
CIE LCh	98, 61.794, 105.438
Yxy	94.3650, 0.3855, 0.4493
Android (android.graphics.Color)	4294967169 (0xFFFFFFFF81)
YUV	240.6360, -55.0365, 12.5972
Hunter-Lab	97.1416, -21.2223, 46.8223

Details

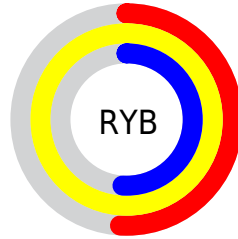
The Yxy color **94.3650, 0.3855, 0.4493** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.5698, 0.2176, 0.1717**, and the grayscale version is **88.0734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **52.6319, 0.3972, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **93.7683, 0.3972, 0.4686**, and if you desaturate by 10%, it is **95.1280, 0.3720, 0.4270**.

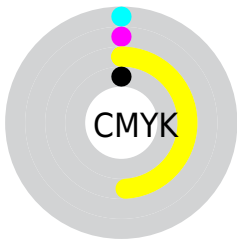
Distribution



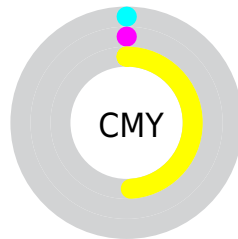
- Red (100%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.3650, 0.3855, 0.4493 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 94.3650, 0.3855, 0.4493 by changing the saturation by 10% instead.

 94.3650, 0.3855,
0.4493

 94.3650, 0.3855,
0.4493

542.1301, 0.3561,
0.3966


 71.6066, 0.3910,
0.4603

 153.3870, 0.3763,
0.4318

 52.8374, 0.3970,
0.4732


 190.4194, 0.3724,
0.4248

 37.6729, 0.4036,
0.4884


 232.9786, 0.3690,
0.4186

 25.7290, 0.4105,
0.5065

281.4490, 0.3659,
0.4131

 16.6210, 0.4169,
0.5278

336.2149, 0.3631,
0.4083

 9.9646, 0.4231,
0.5552

397.6608, 0.3605,

 5.3755, 0.4196,

0.4040

0.5804

466.1711, 0.3582,
0.4001

■ 2.4692, 0.3988,
0.6012

■ 0.8612, 0.3262,
0.6738

■ 94.3650, 0.3855,
0.4493

■ 94.3650, 0.3855,
0.4493

■ 93.7683, 0.3972,
0.4686

■ 95.1280, 0.3720,
0.4270

■ 93.3293, 0.4065,
0.4841

■ 96.0732, 0.3574,
0.4028

■ 93.0320, 0.4133,
0.4953

■ 97.2094, 0.3421,
0.3776

■ 92.8589, 0.4174,
0.5021

■ 98.5466, 0.3268,
0.3523

■ 92.7832, 0.4192,
0.5051

100.0000, 0.3127,
0.3290

■ 92.7800, 0.4193,
0.5053

Harmonies

Analogous

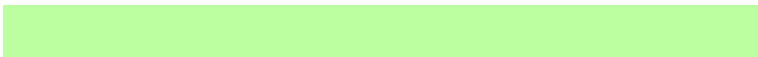
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3650, 0.4332, 0.4150



94.3650, 0.3855, 0.4493



94.3650, 0.3212, 0.4481

Triad

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



94.3650, 0.3855, 0.4493



94.3650, 0.1936, 0.2689



94.3650, 0.3617, 0.2695

Complementary

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



94.3650, 0.3855, 0.4493



27.5698, 0.2176, 0.1717

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.



94.3650, 0.2920, 0.2374



94.3650, 0.3855, 0.4493



94.3650, 0.2015, 0.2335

Square

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



94.3650, 0.3855, 0.4493



94.3650, 0.2127, 0.3299



94.3650, 0.2352, 0.2241



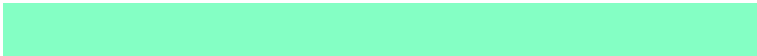
94.3650, 0.4218, 0.3147

Rectangle

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



94.3650, 0.3855, 0.4493



94.3650, 0.2778, 0.4212



94.3650, 0.2352, 0.2241



94.3650, 0.3382, 0.2570

Sweetspot

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



94.3636, 0.3855, 0.4493



97.7768, 0.3353, 0.3663



38.5304, 0.4535, 0.3294



20.8694, 0.3385, 0.3717



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

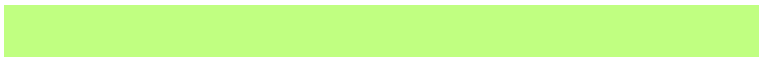
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.3636, 0.3855, 0.4493



93.7907, 0.3967, 0.4678



84.3067, 0.3423, 0.4696



21.0908, 0.3269, 0.3525



48.4795, 0.4193, 0.5053



4.7203, 0.4193, 0.5053

Inverse Universe

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



27.5698, 0.2176, 0.1717



20.2078, 0.1974, 0.1384



34.1098, 0.2640, 0.1891



17.3778, 0.2978, 0.3044



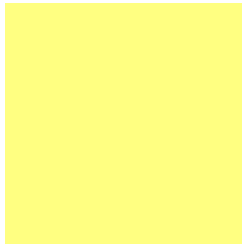
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 94.3650, 0.3855, 0.4493 looks on a white background.

Color Contrast Check

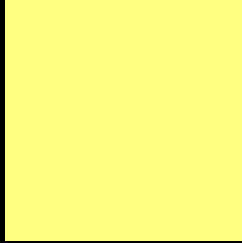
Large Text (above 18pt) WCAG AA × Fail

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 94.3650, 0.3855, 0.4493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

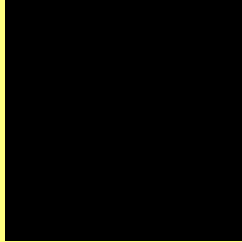
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.3650, 0.3855, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 94.3650, 0.3855, 0.4493.



This preview shows how white text looks on a background with the Yxy color 94.3650, 0.3855, 0.4493.

Color Blindness Simulation

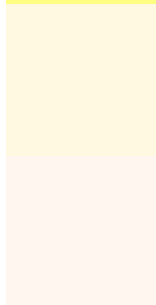
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

94.3650, 0.3855, 0.4493



Protanopia

94.5024, 0.3304, 0.3515

Deuteranopia

94.0135, 0.3227, 0.3368



Tritanopia

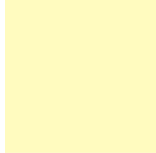
94.1998, 0.3149, 0.3233

Trichromacy



Original Color

94.3650, 0.3855, 0.4493



Protanomaly

94.0159, 0.3517, 0.3883



Deuteranomaly

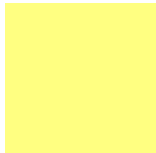
93.7547, 0.3470, 0.3794



Tritanomaly

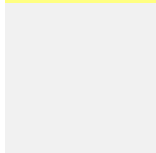
93.5164, 0.3422, 0.3705

Monochromacy



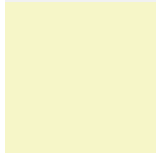
Original Color

94.3650, 0.3855, 0.4493



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.6745, 0.3409, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.3650, 0.3855, 0.4493 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 129) }
```

Border

The CSS property to change the border of an element to Yxy 94.3650, 0.3855, 0.4493 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, 129) }
```

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

```
.border{ border-color:rgb(255, 255, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 94.3650, 0.3855, 0.4493 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
255, 129) }
```

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