

Converting Colors

$Y_{xy}(133.1240, 0.4106, 0.4548)$

Have a look what the booklet for
Yxy(133.1240, 0.4106, 0.4548)
contains.

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Color

Yxy(94.3123, 0.3864, 0.4509)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF7F
RGB	255, 255, 127
RGB Percent	100%, 100%, 50%
CMY	0.0002, 0.0000, 0.5019
CMYK	0.00, 0.00, 0.50, 0.00
HSL	60°, 100%, 75%
HSV	60°, 50%, 100%
XYZ	80.8212, 94.3123, 34.0311
YIQ	240.4080, 41.0880, -39.8080

Conversions

Conversions Part 2

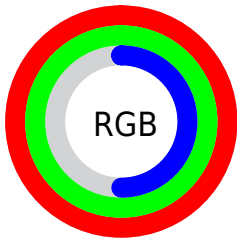
Format	Color
R_{YB}	127, 255, 127
Decimal	16777087
CIE _{Lab}	97.76, -16.64, 60.41
CIE _{LCh}	98, 62.656, 105.401
Yxy	94.3123, 0.3864, 0.4509
Android (android.graphics.Color)	4294967167 (0xFFFFFFFF7F)
YUV	240.4080, -55.9101, 12.7972
Hunter-Lab	97.1145, -21.3981, 47.2036

Details

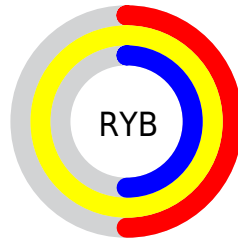
The Yxy color **94.3123, 0.3864, 0.4509** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.9229, 0.2160, 0.1690**, and the grayscale version is **87.8886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **52.6050, 0.3982, 0.4744** is the 20% darker color. If you saturate the color by 10%, you get **93.7209, 0.3979, 0.4699**, and if you desaturate by 10%, it is **95.0582, 0.3731, 0.4288**.

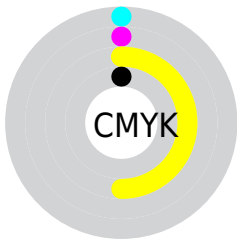
Distribution



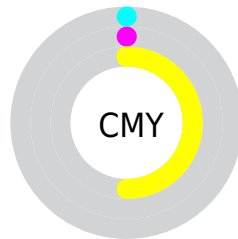
- Red (100%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.3123, 0.3864, 0.4509 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 94.3123, 0.3864, 0.4509 by changing the saturation by 10% instead.


 94.3123, 0.3864,
0.4509


 94.3123, 0.3864,
0.4509

541.9610, 0.3567,
0.3975


 71.5627, 0.3919,
0.4620


 153.3142, 0.3771,
0.4332

 52.8016, 0.3980,
0.4750

 190.3353, 0.3732,
0.4261

 37.6444, 0.4046,
0.4904


 232.8824, 0.3697,
0.4198

 25.7068, 0.4114,
0.5085

281.3398, 0.3666,
0.4143

 16.6044, 0.4175,
0.5298

336.0920, 0.3638,
0.4094

 9.9529, 0.4239,
0.5577

397.5233, 0.3612,

 5.3677, 0.4188,

0.4050

0.5812

466.0182, 0.3589,
0.4011

■ 2.4646, 0.3977,
0.6023

■ 0.8588, 0.3232,
0.6768

■ 94.3123, 0.3864,
0.4509

■ 94.3123, 0.3864,
0.4509

■ 93.7209, 0.3979,
0.4699

■ 95.0582, 0.3731,
0.4288

■ 93.2916, 0.4071,
0.4851

■ 95.9909, 0.3585,
0.4047

■ 93.0028, 0.4137,
0.4960

■ 97.1139, 0.3433,
0.3795

■ 92.8367, 0.4176,
0.5025

■ 98.4371, 0.3279,
0.3542

■ 92.7649, 0.4193,
0.5053

99.9696, 0.3130,
0.3295

100.0000, 0.3127,
0.3290

Harmonies

Analogous

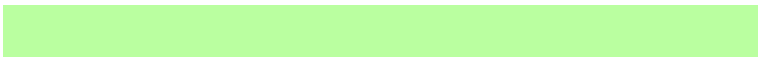
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3123, 0.4348, 0.4159



94.3123, 0.3864, 0.4509



94.3123, 0.3213, 0.4500

Triad

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



94.3123, 0.3864, 0.4509



94.3123, 0.1922, 0.2681



94.3123, 0.3623, 0.2687

Complementary

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



94.3123, 0.3864, 0.4509



26.9229, 0.2160, 0.1690

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.



94.3123, 0.2916, 0.2363



94.3123, 0.3864, 0.4509



94.3123, 0.2002, 0.2323

Square

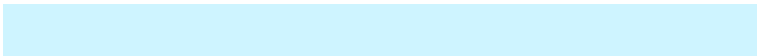
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.3123, 0.3864, 0.4509



94.3123, 0.2114, 0.3299



94.3123, 0.2341, 0.2229



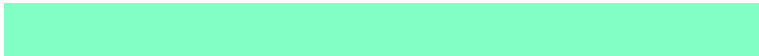
94.3123, 0.4233, 0.3143

Rectangle

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



94.3123, 0.3864, 0.4509



94.3123, 0.2774, 0.4227



94.3123, 0.2341, 0.2229



94.3123, 0.3385, 0.2561

Sweetspot

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



94.3054, 0.3864, 0.4509



97.7745, 0.3353, 0.3663



37.9788, 0.4568, 0.3294



20.8689, 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.



94.3054, 0.3864, 0.4509



93.7303, 0.3977, 0.4696



84.1311, 0.3425, 0.4718



21.0905, 0.3269, 0.3525



48.4718, 0.4193, 0.5053



4.7196, 0.4193, 0.5053

Inverse Universe

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



26.9229, 0.2160, 0.1690



19.5503, 0.1954, 0.1351



33.4839, 0.2630, 0.1868



17.3781, 0.2978, 0.3044



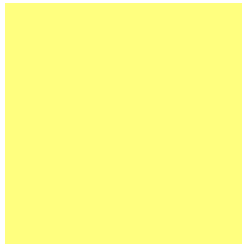
3.7730, 0.1500, 0.0600



0.3675, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 94.3123, 0.3864, 0.4509 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 94.3123, 0.3864, 0.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

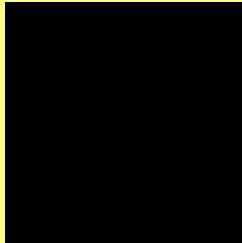
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.3123, 0.3864, 0.4509

Background



This preview shows how black text looks on a background with the Yxy color 94.3123, 0.3864, 0.4509.



This preview shows how white text looks on a background with the Yxy color 94.3123, 0.3864, 0.4509.

Color Blindness Simulation

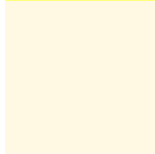
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



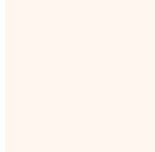
Original Color

94.3123, 0.3864, 0.4509



Protanopia

93.8858, 0.3306, 0.3505



Deuteranopia

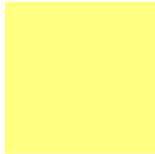
94.0135, 0.3227, 0.3368



Tritanopia

94.1998, 0.3149, 0.3233

Trichromacy



Original Color

94.3123, 0.3864, 0.4509



Protanomaly

93.9721, 0.3523, 0.3893



Deuteranomaly

93.7084, 0.3476, 0.3804



Tritanomaly

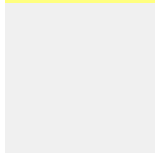
93.5164, 0.3422, 0.3705

Monochromacy



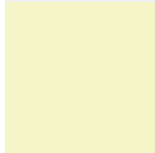
Original Color

94.3123, 0.3864, 0.4509



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.8408, 0.3410, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.3123, 0.3864, 0.4509 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 94.3123, 0.3864, 0.4509 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, 127) }
```

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

```
.border{ border-color:rgb(255, 255, 127) }
```

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, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 94.3123, 0.3864, 0.4509 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, 127) }
```

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

```
.background{ background-color: rgb(255,  
255, 127) }
```

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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