

Converting Colors

$Y_{xy}(102.6843, 0.4072, 0.4332)$

Have a look what the booklet for
Yxy(102.6843, 0.4072, 0.4332)
contains.

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Color

Yxy(94.5293, 0.3824, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF87
RGB	255, 255, 135
RGB Percent	100%, 100%, 53%
CMY	0.0002, 0.0000, 0.4707
CMYK	0.00, 0.00, 0.47, 0.00
HSL	60°, 100%, 76%
HSV	60°, 47%, 100%
XYZ	81.3595, 94.5293, 36.8713
YIQ	241.3200, 38.5200, -37.3200

Conversions

Conversions Part 2

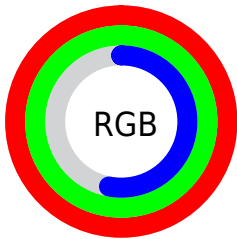
Format	Color
R _Y B	135, 255, 135
Decimal	16777095
CIE Lab	97.84, -15.97, 56.88
CIE LCh	98, 59.079, 105.679
Yxy	94.5293, 0.3824, 0.4443
Android (android.graphics.Color)	4294967175 (0xFFFFFFFF87)
YUV	241.3200, -52.4158, 11.9974
Hunter-Lab	97.2262, -20.7759, 45.5736

Details

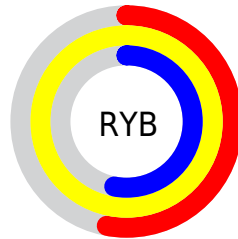
The Yxy color **94.5293, 0.3824, 0.4443** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.6958, 0.2227, 0.1802**, and the grayscale version is **88.6127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **52.7180, 0.3941, 0.4674** is the 20% darker color. If you saturate the color by 10%, you get **93.8839, 0.3945, 0.4644**, and if you desaturate by 10%, it is **95.3281, 0.3686, 0.4215**.

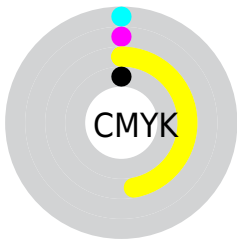
Distribution



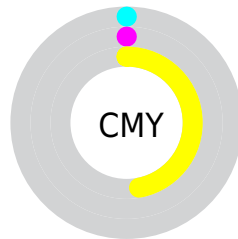
- Red (100%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.5293, 0.3824, 0.4443 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 94.5293, 0.3824, 0.4443 by changing the saturation by 10% instead.

 94.5293, 0.3824,
0.4443


 94.5293, 0.3824,
0.4443


542.6570, 0.3541,
0.3936

 71.7433, 0.3877,
0.4549


 153.6142, 0.3735,
0.4274

 52.9490, 0.3937,
0.4675


 190.6818, 0.3697,
0.4207

 37.7620, 0.4004,
0.4824


 233.2787, 0.3664,
0.4147

 25.7981, 0.4075,
0.5003

281.7894, 0.3634,
0.4095

 16.6726, 0.4144,
0.5216

336.5981, 0.3607,
0.4048

 10.0014, 0.4203,
0.5476

398.0894, 0.3583,

 5.3999, 0.4217,

0.4007

466.6475, 0.3561,
0.3970

0.5783

■ 2.4837, 0.4017,
0.5983

■ 0.8685, 0.3341,
0.6659

■ 94.5293, 0.3824,
0.4443

■ 94.5293, 0.3824,
0.4443

■ 93.8839, 0.3945,
0.4644

■ 95.3281, 0.3686,
0.4215

■ 93.4074, 0.4045,
0.4809

■ 96.3193, 0.3538,
0.3969

■ 93.0761, 0.4119,
0.4931

■ 97.5042, 0.3385,
0.3716

■ 92.8736, 0.4166,
0.5009

■ 98.8920, 0.3232,
0.3464

■ 92.7784, 0.4189,
0.5046

100.0000, 0.3127,
0.3290

■ 92.7615, 0.4193,
0.5053

Harmonies

Analogous

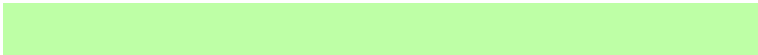
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5293, 0.4280, 0.4124



94.5293, 0.3824, 0.4443



94.5293, 0.3207, 0.4422

Triad

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



94.5293, 0.3824, 0.4443



94.5293, 0.1982, 0.2714



94.5293, 0.3602, 0.2722

Complementary

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



94.5293, 0.3824, 0.4443



29.6958, 0.2227, 0.1802

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.



94.5293, 0.2936, 0.2411



94.5293, 0.3824, 0.4443



94.5293, 0.2060, 0.2373

Square

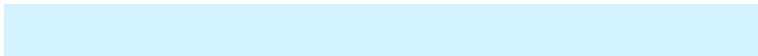
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.5293, 0.3824, 0.4443



94.5293, 0.2165, 0.3297



94.5293, 0.2387, 0.2282



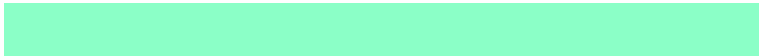
94.5293, 0.4173, 0.3160

Rectangle

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



94.5293, 0.3824, 0.4443



94.5293, 0.2791, 0.4162



94.5293, 0.2387, 0.2282



94.5293, 0.3378, 0.2601

Sweetspot

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



94.5200, 0.3824, 0.4443



97.9077, 0.3338, 0.3638



40.3314, 0.4433, 0.3294



20.8951, 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.



94.5200, 0.3824, 0.4443



93.9439, 0.3933, 0.4624



84.8696, 0.3413, 0.4625



21.0904, 0.3269, 0.3525



48.4700, 0.4193, 0.5053



4.7195, 0.4193, 0.5053

Inverse Universe

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



29.6958, 0.2227, 0.1802



22.3140, 0.2036, 0.1486



36.1435, 0.2670, 0.1961



17.3781, 0.2978, 0.3044



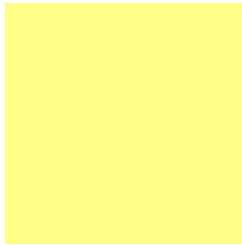
3.7731, 0.1500, 0.0600



0.3675, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 94.5293, 0.3824, 0.4443 looks on a white background.

Color Contrast Check

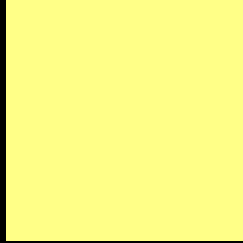
Large Text (above 18pt) WCAG AA × Fail

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 94.5293, 0.3824, 0.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

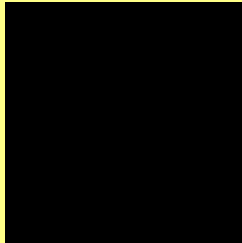
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.5293, 0.3824, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 94.5293, 0.3824, 0.4443.



This preview shows how white text looks on a background with the Yxy color 94.5293, 0.3824, 0.4443.

Color Blindness Simulation

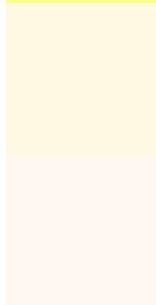
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

94.5293, 0.3824, 0.4443



Protanopia

94.5574, 0.3298, 0.3505

Deuteranopia

94.0728, 0.3221, 0.3358



Tritanopia

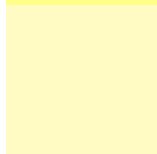
94.1998, 0.3149, 0.3233

Trichromacy



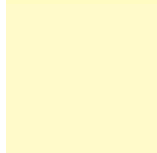
Original Color

94.5293, 0.3824, 0.4443



Protanomaly

94.1494, 0.3498, 0.3853



Deuteranomaly

93.8955, 0.3451, 0.3764



Tritanomaly

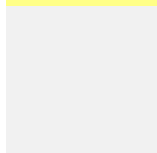
93.6148, 0.3410, 0.3685

Monochromacy



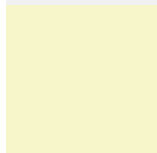
Original Color

94.5293, 0.3824, 0.4443



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 94.5293, 0.3824, 0.4443 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 94.5293, 0.3824, 0.4443 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, 135) }
```

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

```
.border{ border-color:rgb(255, 255, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 94.5293, 0.3824, 0.4443 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, 135) }
```

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

```
.background{ background-color: rgb(255,  
255, 135) }
```

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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