

Converting Colors

$Y_{xy}(100.0000, 0.3875, 0.4171)$

Have a look what the booklet for
Yxy(100.0000, 0.3875, 0.4171)
contains.

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Color

Yxy(94.6122, 0.3704, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	FFFE9E
RGB	255, 254, 158
RGB Percent	100%, 100%, 62%
CMY	0.0000, 0.0040, 0.3804
CMYK	0.00, 0.00, 0.38, 0.00
HSL	59°, 100%, 81%
HSV	59°, 38%, 100%
XYZ	82.8668, 94.6122, 46.2434
YIQ	243.3550, 31.4120, -29.6440

Conversions

Conversions Part 2

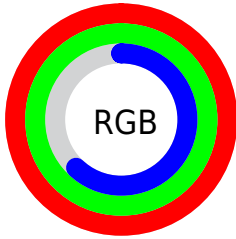
Format	Color
R_{YB}	159, 255, 158
Decimal	16776862
CIE _{Lab}	97.88, -13.20, 46.01
CIE _{LCh}	98, 47.862, 106.004
Yxy	94.6122, 0.3704, 0.4229
Android (android.graphics.Color)	4294966942 (0xFFFFFE9E)
YUV	243.3550, -42.0800, 10.2127
Hunter-Lab	97.2688, -18.1499, 39.9006

Details

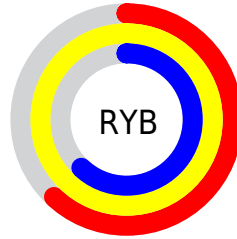
The Yxy color **94.6122, 0.3704, 0.4229** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.2906, 0.2425, 0.2139**, and the grayscale version is **90.2440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **52.8227, 0.3810, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **93.6502, 0.3842, 0.4454**, and if you desaturate by 10%, it is **95.7468, 0.3554, 0.3987**.

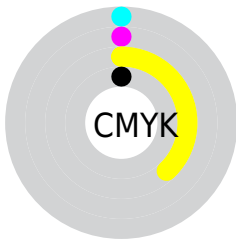
Distribution



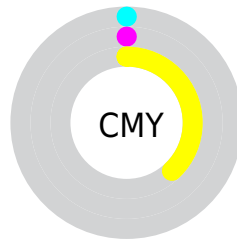
- Red (100%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.6122, 0.3704, 0.4229 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 94.6122, 0.3704, 0.4229 by changing the saturation by 10% instead.


 94.6122, 0.3704,
0.4229


 94.6122, 0.3704,
0.4229

542.9227, 0.3463,
0.3812

 71.8123, 0.3752,
0.4318


 153.7287, 0.3626,
0.4089

 53.0053, 0.3808,
0.4425

 190.8141, 0.3594,
0.4033

 37.8070, 0.3873,
0.4555


233.4301, 0.3565,
0.3984

 25.8329, 0.3947,
0.4715

281.9611, 0.3540,
0.3942

 16.6987, 0.4030,
0.4914

336.7914, 0.3518,
0.3904

 10.0199, 0.4116,
0.5161

398.3055, 0.3498,

 5.4122, 0.4270,

0.3870

0.5581

466.8879, 0.3479,
0.3840

■ 2.4911, 0.4170,
0.5830

■ 0.8722, 0.3675,
0.6325

■ 94.6122, 0.3704,
0.4229

■ 94.6122, 0.3704,
0.4229

■ 93.6502, 0.3842,
0.4454

■ 95.7468, 0.3554,
0.3987

■ 92.8642, 0.3964,
0.4650

■ 97.0791, 0.3400,
0.3736

■ 92.2366, 0.4064,
0.4810

■ 98.6138, 0.3247,
0.3486

■ 91.7531, 0.4138,
0.4928

100.0000, 0.3127,
0.3290

■ 91.3967, 0.4186,
0.5001

■ 91.1444, 0.4209,
0.5034

■ 91.1007, 0.4212,
0.5038

Harmonies

Analogous

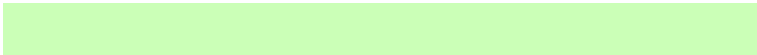
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6122, 0.4071, 0.3994



94.6122, 0.3704, 0.4229



94.6122, 0.3200, 0.4187

Triad

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



94.6122, 0.3704, 0.4229



94.6122, 0.2177, 0.2826



94.6122, 0.3522, 0.2825

Complementary

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



94.6122, 0.3704, 0.4229



39.2906, 0.2425, 0.2139

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.



94.6122, 0.2982, 0.2560



94.6122, 0.3704, 0.4229



94.6122, 0.2244, 0.2536

Square

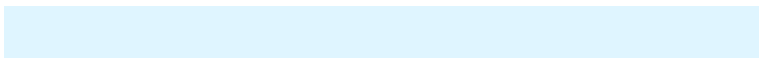
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.6122, 0.3704, 0.4229



94.6122, 0.2334, 0.3299



94.6122, 0.2525, 0.2453



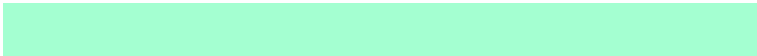
94.6122, 0.3976, 0.3198

Rectangle

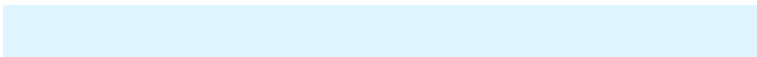
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.6122, 0.3704, 0.4229



94.6122, 0.2857, 0.3977



94.6122, 0.2525, 0.2453



94.6122, 0.3342, 0.2722

Sweetspot

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



94.6073, 0.3704, 0.4229



98.1374, 0.3292, 0.3560



48.2405, 0.4059, 0.3276



20.9601, 0.3313, 0.3593



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

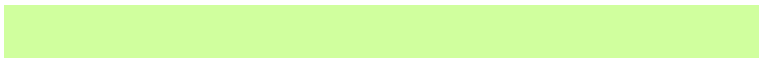
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6073, 0.3704, 0.4229



93.8309, 0.3815, 0.4410



87.4160, 0.3381, 0.4348



21.0564, 0.3269, 0.3522



47.6170, 0.4211, 0.5038



4.6463, 0.4209, 0.5040

Inverse Universe

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



39.2906, 0.2425, 0.2139



31.0395, 0.2253, 0.1855



44.6386, 0.2766, 0.2228



17.4080, 0.2978, 0.3047



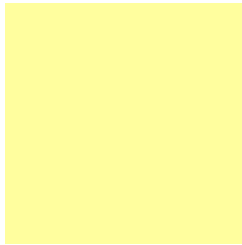
3.8158, 0.1502, 0.0606



0.3817, 0.1506, 0.0621

Previews

White Background



This preview shows how the Yxy color 94.6122, 0.3704, 0.4229 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 94.6122, 0.3704, 0.4229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

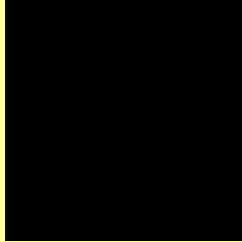
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.6122, 0.3704, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 94.6122, 0.3704, 0.4229.



This preview shows how white text looks on a background with the Yxy color 94.6122, 0.3704, 0.4229.

Color Blindness Simulation

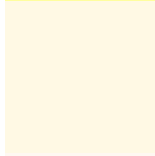
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

94.6122, 0.3704, 0.4229



Protanopia

94.6128, 0.3292, 0.3495



Deuteranopia

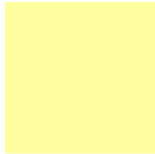
94.7457, 0.3214, 0.3358



Tritanopia

94.2634, 0.3143, 0.3223

Trichromacy



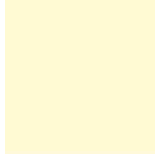
Original Color

94.6122, 0.3704, 0.4229



Protanomaly

94.5662, 0.3443, 0.3763



Deuteranomaly

94.3344, 0.3396, 0.3674



Tritanomaly

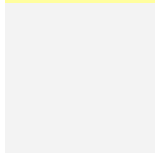
94.0733, 0.3354, 0.3595

Monochromacy



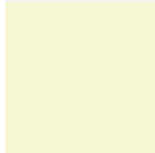
Original Color

94.6122, 0.3704, 0.4229



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

91.0492, 0.3340, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.6122, 0.3704, 0.4229 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, 254, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 158)  
}
```

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, 254, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 158) }
```

Border

The CSS property to change the border of an element to Yxy 94.6122, 0.3704, 0.4229 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, 254, 158) }
```

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

```
.border{ border-color:rgb(255, 254, 158) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 254, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 94.6122, 0.3704, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 158) }
```

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

```
.background{ background-color: rgb(255,  
254, 158) }
```

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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