

Converting Colors

$Y_{xy}(281.1317, 0.4081, 0.4738)$

Have a look what the booklet for
Yxy(281.1317, 0.4081, 0.4738)
contains.

Yxy(94.9499, 0.3750, 0.4320)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.9499, 0.3750, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF95
RGB	255, 255, 149
RGB Percent	100%, 100%, 58%
CMY	0.0001, 0.0000, 0.4156
CMYK	0.00, 0.00, 0.42, 0.00
HSL	60°, 100%, 79%
HSV	60°, 42%, 100%
XYZ	82.4218, 94.9499, 42.4197
YIQ	242.9160, 34.0260, -32.9660

Conversions

Conversions Part 2

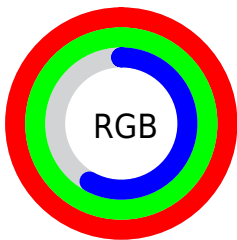
Format	Color
R _Y B	149, 255, 149
Decimal	16777109
CIE Lab	98.01, -14.64, 50.50
CIE LCh	98, 52.581, 106.161
Yxy	94.9499, 0.3750, 0.4320
Android (android.graphics.Color)	4294967189 (0xFFFFFFFF95)
YUV	242.9160, -46.3006, 10.5977
Hunter-Lab	97.4422, -19.5392, 42.3987

Details

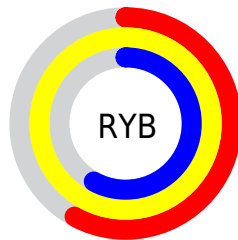
The Yxy color **94.9499, 0.3750, 0.4320** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.1097, 0.2347, 0.2000**, and the grayscale version is **89.9094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **53.1030, 0.3863, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **94.2199, 0.3881, 0.4537**, and if you desaturate by 10%, it is **95.8541, 0.3605, 0.4081**.

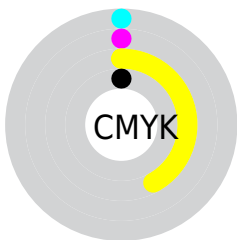
Distribution



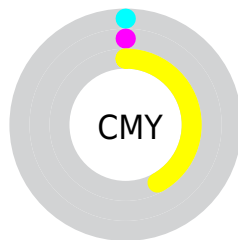
- Red (100%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.9499, 0.3750, 0.4320 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 94.9499, 0.3750, 0.4320 by changing the saturation by 10% instead.


 94.9499, 0.3750,
0.4320


 94.9499, 0.3750,
0.4320


544.0046, 0.3493,
0.3864

 72.0933, 0.3800,
0.4417


 154.1954, 0.3667,
0.4167

 53.2349, 0.3858,
0.4532


 191.3530, 0.3633,
0.4106

 37.9903, 0.3923,
0.4671


234.0465, 0.3603,
0.4053

 25.9752, 0.3996,
0.4841

282.6601, 0.3576,
0.4006

 16.8051, 0.4075,
0.5048

337.5784, 0.3552,
0.3965

 10.0956, 0.4146,
0.5300


399.1856, 0.3530,


 5.4624, 0.4276,


0.3928


0.5724


467.8662, 0.3511,
0.3894


 2.5210, 0.4094,
0.5906


 0.8871, 0.3539,
0.6461

 94.9499, 0.3750,
0.4320


 94.9499, 0.3750,
0.4320


 94.2199, 0.3881,
0.4537


 95.8541, 0.3605,
0.4081

 93.6584, 0.3993,
0.4723

 96.9493, 0.3454,
0.3830

 93.2504, 0.4082,
0.4869

 98.2434, 0.3300,
0.3577

 92.9805, 0.4144,
0.4971

 99.7456, 0.3150,
0.3328

■ 92.8307, 0.4179,
0.5030

100.0000, 0.3127,
0.3290

■ 92.7742, 0.4193,
0.5053

Harmonies

Analogous

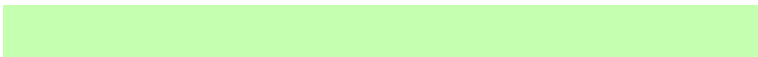
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9499, 0.4156, 0.4053



94.9499, 0.3750, 0.4320



94.9499, 0.3198, 0.4281

Triad

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



94.9499, 0.3750, 0.4320



94.9499, 0.2094, 0.2776



94.9499, 0.3561, 0.2786

Complementary

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



94.9499, 0.3750, 0.4320



35.1097, 0.2347, 0.2000

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.



94.9499, 0.2969, 0.2499



94.9499, 0.3750, 0.4320



94.9499, 0.2168, 0.2465

Square

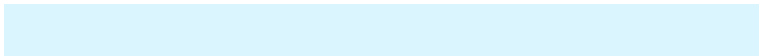
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.9499, 0.3750, 0.4320



94.9499, 0.2260, 0.3293



94.9499, 0.2471, 0.2381



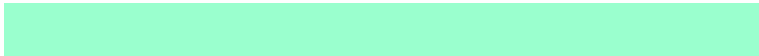
94.9499, 0.4062, 0.3187

Rectangle

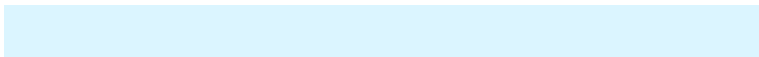
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.9499, 0.3750, 0.4320



94.9499, 0.2825, 0.4048



94.9499, 0.2471, 0.2381



94.9499, 0.3364, 0.2674

Sweetspot

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



94.9478, 0.3750, 0.4320



98.1828, 0.3307, 0.3588



44.9283, 0.4208, 0.3293



20.9767, 0.3327, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

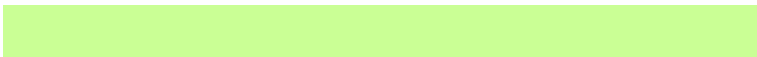
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9478, 0.3750, 0.4320



94.3225, 0.3862, 0.4505



86.2475, 0.3389, 0.4459



21.0907, 0.3269, 0.3525



48.4765, 0.4193, 0.5053



4.7200, 0.4193, 0.5053

Inverse Universe

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



35.1097, 0.2347, 0.2000



27.0799, 0.2163, 0.1696



41.2753, 0.2737, 0.2125



17.3779, 0.2978, 0.3044



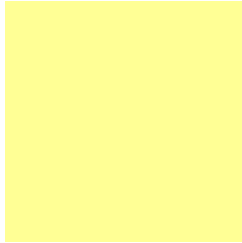
3.7728, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 94.9499, 0.3750, 0.4320 looks on a white background.

Color Contrast Check

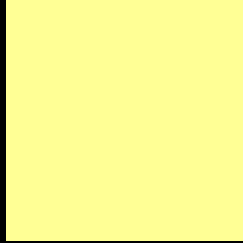
Large Text (above 18pt) WCAG AA × Fail

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 94.9499, 0.3750, 0.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

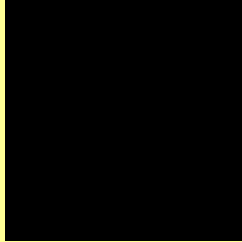
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.9499, 0.3750, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 94.9499, 0.3750, 0.4320.



This preview shows how white text looks on a background with the Yxy color 94.9499, 0.3750, 0.4320.

Color Blindness Simulation

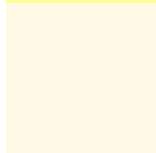
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



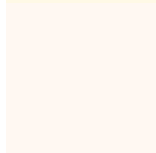
Original Color

94.9499, 0.3750, 0.4320



Protanopia

94.7245, 0.3280, 0.3475



Deuteranopia

94.8056, 0.3208, 0.3348

Tritanopia

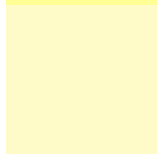
94.8734, 0.3143, 0.3233

Trichromacy



Original Color

94.9499, 0.3750, 0.4320



Protanomaly

94.4714, 0.3455, 0.3783



Deuteranomaly

94.8084, 0.3412, 0.3713



Tritanomaly

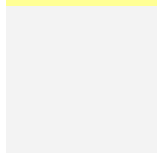
94.5375, 0.3371, 0.3634

Monochromacy



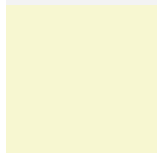
Original Color

94.9499, 0.3750, 0.4320



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.8991, 0.3359, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.9499, 0.3750, 0.4320 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 94.9499, 0.3750, 0.4320 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, 149) }
```

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

```
.border{ border-color:rgb(255, 255, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 94.9499, 0.3750, 0.4320 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, 149) }
```

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

```
.background{ background-color: rgb(255,  
255, 149) }
```

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