

Converting Colors

$Y_{xy}(94.0210, 0.3689, 0.4298)$

Have a look what the booklet for
Yxy(94.0210, 0.3689, 0.4298)
contains.

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Color

Yxy(93.9596, 0.3687, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	F9FF99
RGB	249, 255, 153
RGB Percent	98%, 100%, 60%
CMY	0.0234, 0.0000, 0.4001
CMYK	0.02, 0.00, 0.40, 0.00
HSL	64°, 100%, 80%
HSV	64°, 40%, 100%
XYZ	80.5836, 93.9596, 44.0183
YIQ	241.5780, 29.1660, -32.9940

Conversions

Conversions Part 2

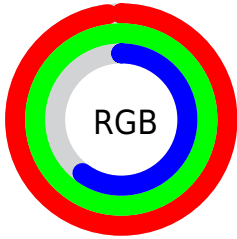
Format	Color
R _Y B	153, 255, 159
Decimal	16383897
CIE Lab	97.62, -16.49, 48.01
CIE LCh	98, 50.759, 108.960
Yxy	93.9596, 0.3687, 0.4299
Android (android.graphics.Color)	4294573977 (0xFFFF9FF9)
YUV	241.5780, -43.6690, 6.5091
Hunter-Lab	96.9328, -21.2390, 40.9287

Details

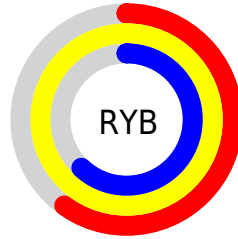
The Yxy color **93.9596, 0.3687, 0.4299** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.3638, 0.2421, 0.2069**, and the grayscale version is **88.7813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **52.3846, 0.3784, 0.4508** is the 20% darker color. If you saturate the color by 10%, you get **92.9363, 0.3810, 0.4530**, and if you desaturate by 10%, it is **95.1736, 0.3552, 0.4050**.

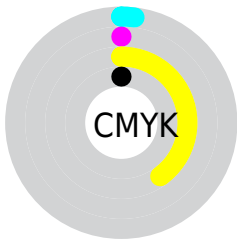
Distribution



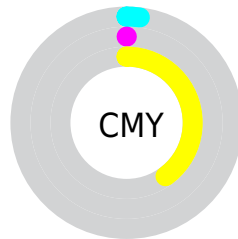
- Red (98%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (62%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.9596, 0.3687, 0.4299 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 93.9596, 0.3687, 0.4299 by changing the saturation by 10% instead.


 93.9596, 0.3687,
0.4299


 93.9596, 0.3687,
0.4299


540.8289, 0.3456,
0.3849

 71.2694, 0.3732,
0.4396


 152.8265, 0.3613,
0.4147

 52.5620, 0.3784,
0.4512


 189.7719, 0.3582,
0.4087

 37.4533, 0.3843,
0.4653


232.2378, 0.3555,
0.4034

 25.5586, 0.3909,
0.4827

280.6086, 0.3531,
0.3988

 16.4937, 0.3980,
0.5044

335.2687, 0.3509,
0.3947

 9.8742, 0.4044,
0.5313

396.6026, 0.3489,

 5.3156, 0.4192,

0.3911

0.5808

464.9945, 0.3472,
0.3878

■ 2.4336, 0.3981,
0.6019

■ 0.8431, 0.3211,
0.6789

■ 93.9596, 0.3687,
0.4299

■ 93.9596, 0.3687,
0.4299

■ 92.9363, 0.3810,
0.4530

■ 95.1736, 0.3552,
0.4050

■ 92.0794, 0.3915,
0.4732

■ 96.5761, 0.3410,
0.3794

■ 91.3802, 0.3997,
0.4897

■ 98.1811, 0.3267,
0.3538

■ 90.8239, 0.4053,
0.5019

99.9977, 0.3127,
0.3290

■ 90.3929, 0.4082,
0.5096

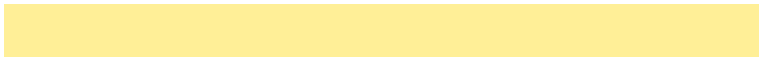
99.9991, 0.3127,
0.3290

■ 90.0585, 0.4089,
0.5135

Harmonies

Analogous

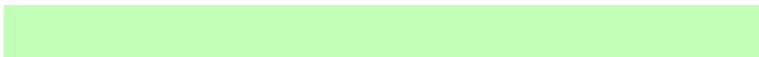
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9596, 0.4099, 0.4066



93.9596, 0.3687, 0.4299



93.9596, 0.3146, 0.4225

Triad

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



93.9596, 0.3687, 0.4299



93.9596, 0.2120, 0.2755



93.9596, 0.3601, 0.2833

Complementary

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



93.9596, 0.3687, 0.4299



37.3638, 0.2421, 0.2069

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.



93.9596, 0.3027, 0.2541



93.9596, 0.3687, 0.4299



93.9596, 0.2213, 0.2473

Square

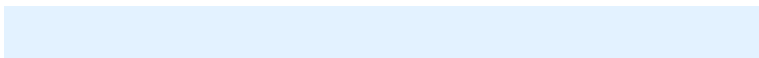
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.9596, 0.3687, 0.4299



93.9596, 0.2261, 0.3241



93.9596, 0.2529, 0.2409



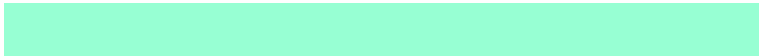
93.9596, 0.4066, 0.3231

Rectangle

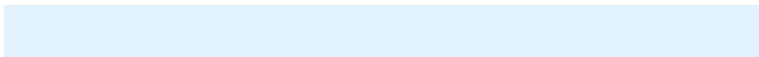
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.9596, 0.3687, 0.4299



93.9596, 0.2788, 0.3980



93.9596, 0.2529, 0.2409



93.9596, 0.3411, 0.2721

Sweetspot

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



93.9639, 0.3687, 0.4299



97.8456, 0.3295, 0.3589



48.0423, 0.4126, 0.3347



20.8967, 0.3314, 0.3622



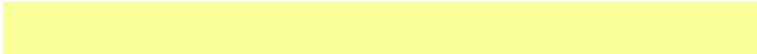
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

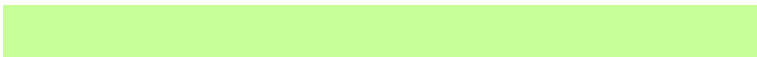
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9639, 0.3687, 0.4299



93.1295, 0.3787, 0.4485



85.9458, 0.3348, 0.4424



21.0334, 0.3260, 0.3525



47.0814, 0.4091, 0.5134



4.6000, 0.4104, 0.5124

Inverse Universe

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



37.3638, 0.2421, 0.2069



29.4404, 0.2253, 0.1785



43.5665, 0.2796, 0.2185



17.4285, 0.2988, 0.3045



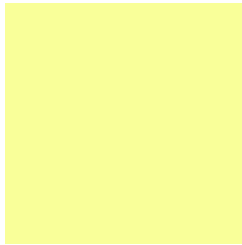
3.8450, 0.1517, 0.0609



0.3914, 0.1558, 0.0632

Previews

White Background



This preview shows how the Yxy color 93.9596, 0.3687, 0.4299 looks on a white background.

Color Contrast Check

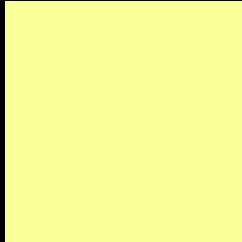
Large Text (above 18pt) WCAG AA × Fail

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 93.9596, 0.3687, 0.4299 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 93.9596, 0.3687, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 93.9596, 0.3687, 0.4299.



This preview shows how white text looks on a background with the Yxy color 93.9596, 0.3687, 0.4299.

Color Blindness Simulation

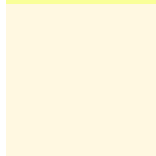
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



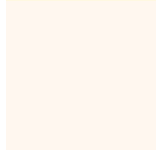
Original Color

93.9596, 0.3687, 0.4299



Protanopia

93.8310, 0.3312, 0.3515



Deuteranopia

94.0135, 0.3227, 0.3368



Tritanopia

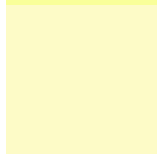
93.7848, 0.3132, 0.3194

Trichromacy



Original Color

93.9596, 0.3687, 0.4299



Protanomaly

94.0005, 0.3454, 0.3806



Deuteranomaly

93.8079, 0.3401, 0.3706



Tritanomaly

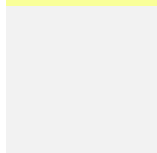
93.6960, 0.3340, 0.3596

Monochromacy



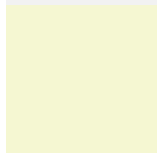
Original Color

93.9596, 0.3687, 0.4299



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.5871, 0.3339, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9596, 0.3687, 0.4299 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(249, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 153)  
}
```

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(249, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 93.9596, 0.3687, 0.4299 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(249, 255, 153) }
```

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

```
.border{ border-color:rgb(249, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9596, 0.3687, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 153) }
```

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

```
.background{ background-color: rgb(249,  
255, 153) }
```

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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