

Converting Colors

$Y_{xy}(127.1544, 0.3543, 0.4604)$

Have a look what the booklet for
Yxy(127.1544, 0.3543, 0.4604)
contains.

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Color

Yxy(94.4636, 0.3678, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	FBFF9D
RGB	251, 255, 157
RGB Percent	98%, 100%, 62%
CMY	0.0159, 0.0000, 0.3844
CMYK	0.02, 0.00, 0.38, 0.00
HSL	62°, 100%, 81%
HSV	62°, 38%, 100%
XYZ	81.6155, 94.4636, 45.8227
YIQ	242.6320, 29.0740, -31.3260

Conversions

Conversions Part 2

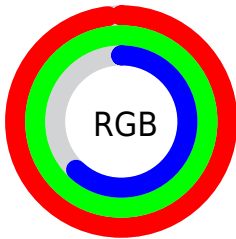
Format	Color
RYB	157, 255, 161
Decimal	16514973
CIELab	97.82, -15.36, 46.36
CIELCh	98, 48.838, 108.325
Yxy	94.4636, 0.3678, 0.4257
Android (android.graphics.Color)	4294705053 (0xFFFBFF9D)
YUV	242.6320, -42.2166, 7.3387
Hunter-Lab	97.1924, -20.1946, 40.0816

Details

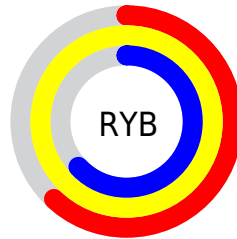
The Yxy color **94.4636, 0.3678, 0.4257** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.9101, 0.2442, 0.2121**, and the grayscale version is **89.6303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **52.7251, 0.3776, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **93.4772, 0.3807, 0.4488**, and if you desaturate by 10%, it is **95.6139, 0.3538, 0.4008**.

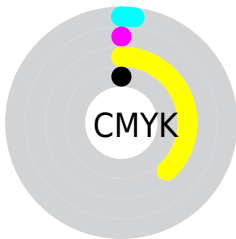
Distribution



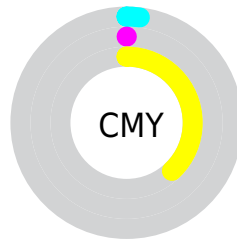
- Red (98%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (63%)



- Cyan (2%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.4636, 0.3678, 0.4257 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 94.4636, 0.3678, 0.4257 by changing the saturation by 10% instead.


 94.4636, 0.3678,
0.4257

 94.4636, 0.3678,
0.4257


542.4463, 0.3449,
0.3826

 71.6886, 0.3723,
0.4350

 153.5233, 0.3604,
0.4112

 52.9043, 0.3775,
0.4461


 190.5769, 0.3574,
0.4054

 37.7264, 0.3835,
0.4597


233.1587, 0.3547,
0.4004

 25.7704, 0.3903,
0.4764

281.6533, 0.3523,
0.3959

 16.6520, 0.3978,
0.4973

336.4449, 0.3502,
0.3920

 9.9867, 0.4051,
0.5235

397.9180, 0.3482,

 5.3901, 0.4193,

0.3885

0.5689

466.4570, 0.3465,
0.3854

■ 2.4779, 0.4050,
0.5950

■ 0.8656, 0.3410,
0.6590

■ 94.4636, 0.3678,
0.4257

■ 94.4636, 0.3678,
0.4257

■ 93.4772, 0.3807,
0.4488

■ 95.6139, 0.3538,
0.4008

■ 92.6717, 0.3918,
0.4693

■ 96.9670, 0.3393,
0.3753

■ 92.0249, 0.4007,
0.4860

■ 98.5229, 0.3247,
0.3498

■ 91.5224, 0.4070,
0.4985

100.0000, 0.3127,
0.3290

■ 91.1472, 0.4106,
0.5066

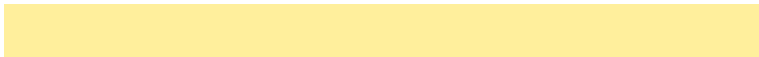
■ 90.8752, 0.4119,
0.5106

■ 90.8369, 0.4120,
0.5111

Harmonies

Analogous

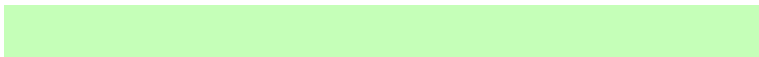
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4636, 0.4069, 0.4032



94.4636, 0.3678, 0.4257



94.4636, 0.3159, 0.4190

Triad

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



94.4636, 0.3678, 0.4257



94.4636, 0.2156, 0.2786



94.4636, 0.3571, 0.2842

Complementary

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



94.4636, 0.3678, 0.4257



38.9101, 0.2442, 0.2121

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.



94.4636, 0.3020, 0.2563



94.4636, 0.3678, 0.4257



94.4636, 0.2242, 0.2507

Square

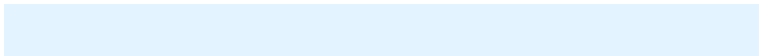
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.4636, 0.3678, 0.4257



94.4636, 0.2298, 0.3257



94.4636, 0.2543, 0.2439



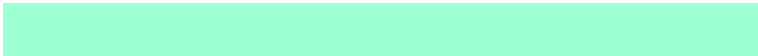
94.4636, 0.4021, 0.3227

Rectangle

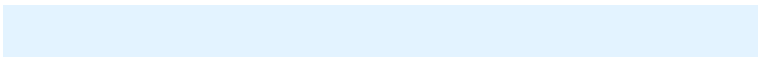
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.4636, 0.3678, 0.4257



94.4636, 0.2812, 0.3959



94.4636, 0.2543, 0.2439



94.4636, 0.3389, 0.2735

Sweetspot

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



94.4541, 0.3678, 0.4257



97.9446, 0.3299, 0.3588



48.9235, 0.4076, 0.3327



20.9202, 0.3318, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

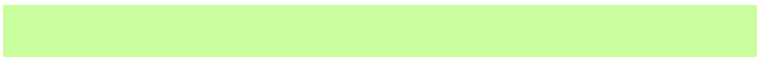
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.4541, 0.3678, 0.4257



93.6990, 0.3777, 0.4434



86.6120, 0.3351, 0.4372



21.0503, 0.3263, 0.3525



47.4811, 0.4121, 0.5110



4.6345, 0.4130, 0.5103

Inverse Universe

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



38.9101, 0.2442, 0.2121



31.1101, 0.2282, 0.1851



44.9227, 0.2800, 0.2227



17.4135, 0.2985, 0.3044



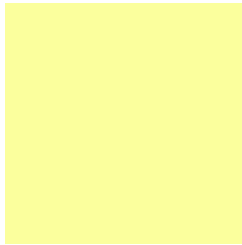
3.8236, 0.1512, 0.0607



0.3843, 0.1541, 0.0623

Previews

White Background



This preview shows how the Yxy color 94.4636, 0.3678, 0.4257 looks on a white background.

Color Contrast Check

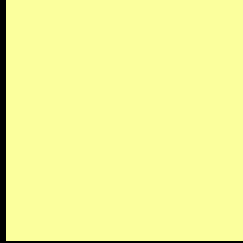
Large Text (above 18pt) WCAG AA × Fail

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 94.4636, 0.3678, 0.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

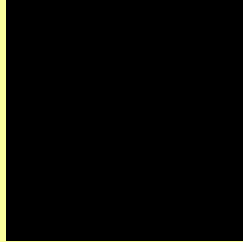
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.4636, 0.3678, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 94.4636, 0.3678, 0.4257.

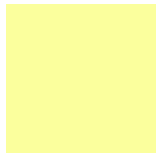


This preview shows how white text looks on a background with the Yxy color 94.4636, 0.3678, 0.4257.

Color Blindness Simulation

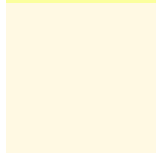
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



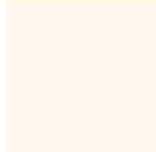
Original Color

94.4636, 0.3678, 0.4257



Protanopia

94.5574, 0.3298, 0.3505



Deuteranopia

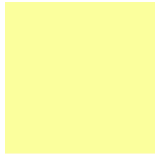
94.0728, 0.3221, 0.3358



Tritanopia

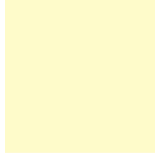
94.3273, 0.3137, 0.3214

Trichromacy



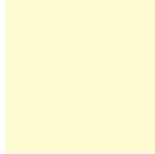
Original Color

94.4636, 0.3678, 0.4257



Protanomaly

94.3295, 0.3442, 0.3775



Deuteranomaly

94.0952, 0.3395, 0.3685



Tritanomaly

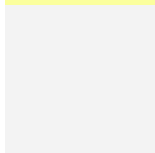
93.9367, 0.3341, 0.3585

Monochromacy



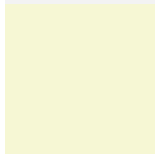
Original Color

94.4636, 0.3678, 0.4257



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.8678, 0.3333, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.4636, 0.3678, 0.4257 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(251, 255, 157)` looks like.

```
.text, #text, p{  
  color:rgb(251, 255, 157)  
}
```

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(251, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 94.4636, 0.3678, 0.4257 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(251, 255, 157) }
```

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

```
.border{ border-color:rgb(251, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 94.4636, 0.3678, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 157) }
```

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

```
.background{ background-color: rgb(251,  
255, 157) }
```

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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