

Converting Colors

$Y_{xy}(102.2338, 0.3722, 0.4303)$

Have a look what the booklet for
Yxy(102.2338, 0.3722, 0.4303)
contains.

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Color

Yxy(95.2143, 0.3706, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF9D
RGB	255, 255, 157
RGB Percent	100%, 100%, 62%
CMY	0.0000, 0.0000, 0.3843
CMYK	0.00, 0.00, 0.38, 0.00
HSL	60°, 100%, 81%
HSV	60°, 38%, 100%
XYZ	83.0855, 95.2143, 45.8921
YIQ	243.8280, 31.4580, -30.4780

Conversions

Conversions Part 2

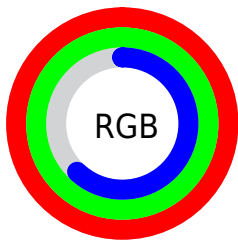
Format	Color
RYB	157, 255, 157
Decimal	16777117
CIELab	98.12, -13.81, 46.80
CIELCh	98, 48.800, 106.445
Yxy	95.2143, 0.3706, 0.4247
Android (android.graphics.Color)	4294967197 (0xFFFFFFFF9D)
YUV	243.8280, -42.8062, 9.7978
Hunter-Lab	97.5778, -18.7721, 40.4196

Details

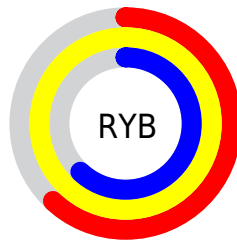
The Yxy color **95.2143, 0.3706, 0.4247** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.4981, 0.2415, 0.2113**, and the grayscale version is **90.6505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **53.2580, 0.3812, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **94.4320, 0.3842, 0.4472**, and if you desaturate by 10%, it is **96.1777, 0.3559, 0.4003**.

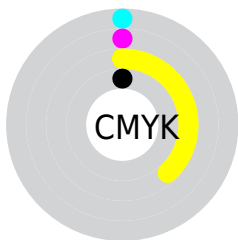
Distribution



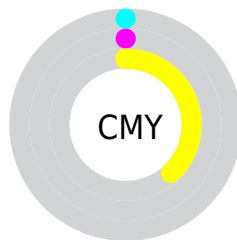
- Red (100%)
- Green (100%)
- Blue (62%)



- 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 95.2143, 0.3706, 0.4247 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 95.2143, 0.3706, 0.4247 by changing the saturation by 10% instead.


 95.2143, 0.3706,
0.4247

 95.2143, 0.3706,
0.4247


544.8508, 0.3465,
0.3823

 72.3134, 0.3754,
0.4338


 154.5606, 0.3628,
0.4104

 53.4147, 0.3809,
0.4447


 191.7748, 0.3596,
0.4048

 38.1339, 0.3873,
0.4578


234.5288, 0.3568,
0.3998

 26.0866, 0.3946,
0.4740

283.2071, 0.3543,
0.3954

 16.8885, 0.4027,
0.4941

338.1941, 0.3520,
0.3916

 10.1550, 0.4109,
0.5192


399.8741, 0.3500,


 5.5019, 0.4260,


0.3881


0.5620


468.6315, 0.3481,
0.3850


 2.5446, 0.4142,
0.5858


 0.8989, 0.3652,
0.6348


 95.2143, 0.3706,
0.4247


 95.2143, 0.3706,
0.4247


 94.4320, 0.3842,
0.4472


 96.1777, 0.3559,
0.4003

 93.8204, 0.3961,
0.4668

 97.3336, 0.3406,
0.3751

 93.3665, 0.4057,
0.4828

 98.6913, 0.3253,
0.3498

 93.0557, 0.4127,
0.4944

100.0000, 0.3127,
0.3290

■ 92.8712, 0.4171,
0.5016

■ 92.7887, 0.4191,
0.5049

■ 92.7800, 0.4193,
0.5053

Harmonies

Analogous

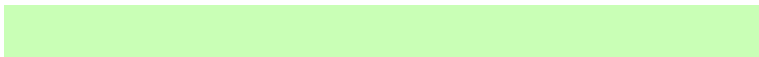
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2143, 0.4083, 0.4009



95.2143, 0.3706, 0.4247



95.2143, 0.3192, 0.4201

Triad

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



95.2143, 0.3706, 0.4247



95.2143, 0.2161, 0.2812



95.2143, 0.3536, 0.2823

Complementary

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



95.2143, 0.3706, 0.4247



38.4981, 0.2415, 0.2113

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.



95.2143, 0.2987, 0.2552



95.2143, 0.3706, 0.4247



95.2143, 0.2232, 0.2521

Square

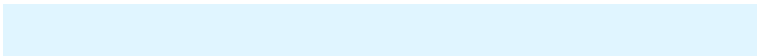
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.2143, 0.3706, 0.4247



95.2143, 0.2317, 0.3291



95.2143, 0.2520, 0.2440



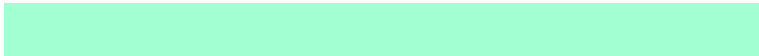
95.2143, 0.3997, 0.3201

Rectangle

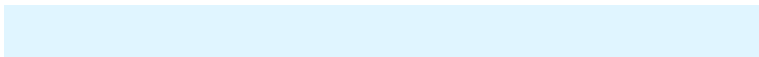
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.2143, 0.3706, 0.4247



95.2143, 0.2845, 0.3984



95.2143, 0.2520, 0.2440



95.2143, 0.3354, 0.2718

Sweetspot

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



95.2140, 0.3706, 0.4247



98.1835, 0.3307, 0.3588



47.8049, 0.4090, 0.3293



20.9769, 0.3327, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

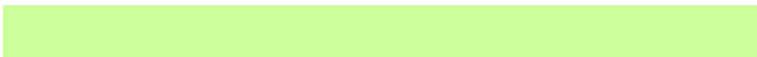
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.2140, 0.3706, 0.4247



94.6063, 0.3810, 0.4420



87.0752, 0.3373, 0.4364



21.0908, 0.3269, 0.3525



48.4795, 0.4193, 0.5053



4.7203, 0.4193, 0.5053

Inverse Universe

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



38.4981, 0.2415, 0.2113



30.6887, 0.2250, 0.1840



44.4520, 0.2774, 0.2220



17.3778, 0.2978, 0.3044



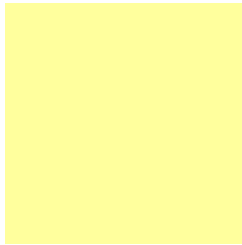
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 95.2143, 0.3706, 0.4247 looks on a white background.

Color Contrast Check

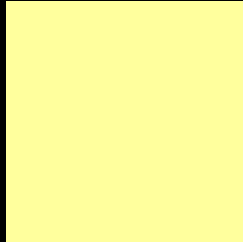
Large Text (above 18pt) WCAG AA × Fail

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 95.2143, 0.3706, 0.4247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

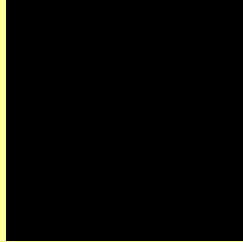
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 95.2143, 0.3706, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 95.2143, 0.3706, 0.4247.



This preview shows how white text looks on a background with the Yxy color 95.2143, 0.3706, 0.4247.

Color Blindness Simulation

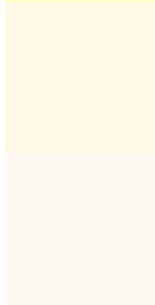
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

95.2143, 0.3706, 0.4247



Protanopia

94.8376, 0.3268, 0.3456

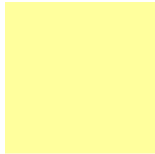
Deuteranopia

94.8659, 0.3202, 0.3338

Tritanopia

94.8734, 0.3143, 0.3233

Trichromacy



Original Color

95.2143, 0.3706, 0.4247



Protanomaly

94.6621, 0.3431, 0.3743



Deuteranomaly

95.0078, 0.3388, 0.3673



Tritanomaly

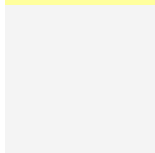
94.6932, 0.3352, 0.3604

Monochromacy



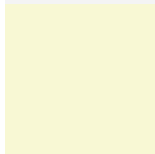
Original Color

95.2143, 0.3706, 0.4247



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.8447, 0.3345, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.2143, 0.3706, 0.4247 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 255, 157) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 95.2143, 0.3706, 0.4247 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, 157) }
```

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

```
.border{ border-color:rgb(255, 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(255, 255, 157)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 95.2143, 0.3706, 0.4247 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, 157) }
```

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

```
.background{ background-color: rgb(255,  
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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