

# Converting Colors

$Y_{xy}(100.0000, 0.3765, 0.4315)$

Have a look what the booklet for  
Yxy(100.0000, 0.3765, 0.4315)  
contains.

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# **Color**

**Yxy(95.0470, 0.3734, 0.4293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF98
RGB	255, 255, 152
RGB Percent	100%, 100%, 60%
CMY	0.0000, 0.0000, 0.4040
CMYK	0.00, 0.00, 0.40, 0.00
HSL	60°, 100%, 80%
HSV	60°, 40%, 100%
XYZ	82.6707, 95.0470, 43.6822
YIQ	243.2580, 33.0630, -32.0330

# Conversions

## Conversions Part 2

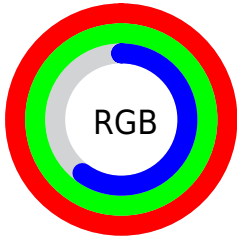
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	152, 255, 152
Decimal	16777112
CIE Lab	98.05, -14.32, 49.14
CIE LCh	98, 51.180, 106.252
Yxy	95.0470, 0.3734, 0.4293
Android (android.graphics.Color)	4294967192 (0xFFFFFFFF98)
YUV	243.2580, -44.9902, 10.2977
Hunter-Lab	97.4921, -19.2477, 41.6790

# Details

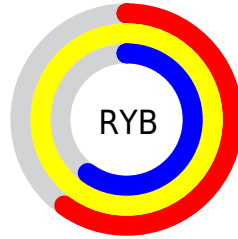
The Yxy color **95.0470, 0.3734, 0.4293** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.3411, 0.2372, 0.2042**, and the grayscale version is **90.1863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **53.1593, 0.3844, 0.4494** is the 20% darker color. If you saturate the color by 10%, you get **94.2986, 0.3867, 0.4513**, and if you desaturate by 10%, it is **95.9733, 0.3588, 0.4052**.

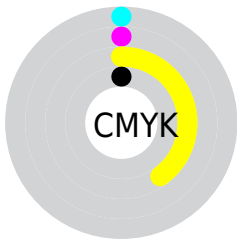
# Distribution



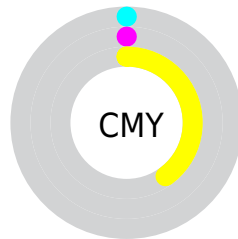
- Red (100%)
- Green (100%)
- Blue (60%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.0470, 0.3734, 0.4293 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 95.0470, 0.3734, 0.4293 by changing the saturation by 10% instead.




 95.0470, 0.3734,  
0.4293


 95.0470, 0.3734,  
0.4293

544.3154, 0.3482,  
0.3849

 72.1741, 0.3783,  
0.4388


 154.3295, 0.3653,  
0.4144

 53.3009, 0.3840,  
0.4501


 191.5080, 0.3620,  
0.4085

 38.0430, 0.3905,  
0.4637


234.2237, 0.3590,  
0.4033

 26.0161, 0.3978,  
0.4804

282.8611, 0.3564,  
0.3987

 16.8357, 0.4058,  
0.5009

337.8045, 0.3540,  
0.3947

 10.1174, 0.4134,  
0.5261


399.4385, 0.3519,


 5.4769, 0.4290,

0.3910


0.5710


468.1473, 0.3500,  
0.3878


 2.5297, 0.4112,  
0.5888


 0.8915, 0.3582,  
0.6418


 95.0470, 0.3734,  
0.4293

 95.0470, 0.3734,  
0.4293


 94.2986, 0.3867,  
0.4513


 95.9733, 0.3588,  
0.4052

 93.7191, 0.3982,  
0.4703

 97.0906, 0.3436,  
0.3801

 93.2945, 0.4073,  
0.4854

 98.4078, 0.3283,  
0.3547

 93.0101, 0.4138,  
0.4961

99.9341, 0.3133,  
0.3300

■ 92.8479, 0.4177,  
0.5025

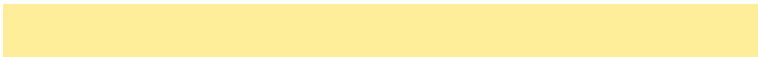
100.0000, 0.3127,  
0.3290

■ 92.7800, 0.4193,  
0.5053

# Harmonies

## Analogous

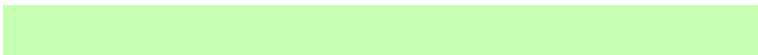
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.0470, 0.4129, 0.4037



95.0470, 0.3734, 0.4293



95.0470, 0.3196, 0.4251

# Triad

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



95.0470, 0.3734, 0.4293



95.0470, 0.2119, 0.2789



95.0470, 0.3552, 0.2799

# Complementary

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



95.0470, 0.3734, 0.4293



36.3411, 0.2372, 0.2042

# 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.



95.0470, 0.2976, 0.2519



95.0470, 0.3734, 0.4293



95.0470, 0.2192, 0.2486

# Square

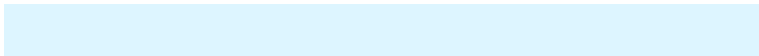
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.0470, 0.3734, 0.4293



95.0470, 0.2281, 0.3292



95.0470, 0.2489, 0.2403



95.0470, 0.4038, 0.3192

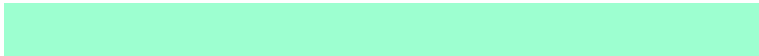


# Rectangle

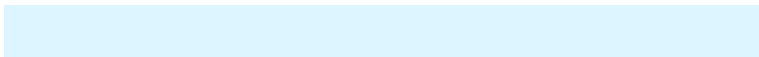
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.0470, 0.3734, 0.4293



95.0470, 0.2832, 0.4024



95.0470, 0.2489, 0.2403



95.0470, 0.3360, 0.2690

# Sweetspot

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



95.0462, 0.3734, 0.4293



98.1835, 0.3307, 0.3588



45.9743, 0.4164, 0.3293



20.9769, 0.3327, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

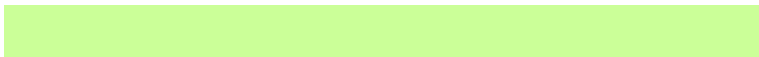
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.0462, 0.3734, 0.4293



94.4624, 0.3836, 0.4463



86.5512, 0.3383, 0.4424



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.



36.3411, 0.2372, 0.2042



28.8398, 0.2207, 0.1768



42.4332, 0.2751, 0.2160



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

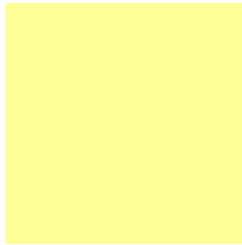


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 95.0470, 0.3734, 0.4293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

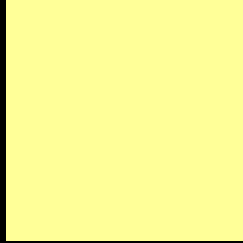
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.0470, 0.3734, 0.4293 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 95.0470, 0.3734, 0.4293**

## Background



This preview shows how black text looks on a background with the Yxy color 95.0470, 0.3734, 0.4293.

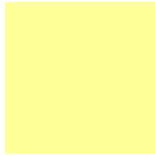


This preview shows how white text looks on a background with the Yxy color 95.0470, 0.3734, 0.4293.

# 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

95.0470, 0.3734, 0.4293

### Protanopia

94.7809, 0.3274, 0.3466

### Deuteranopia

94.8056, 0.3208, 0.3348

## Tritanopia

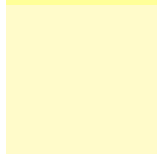
94.8734, 0.3143, 0.3233

# Trichromacy



## Original Color

95.0470, 0.3734, 0.4293



## Protanomaly

94.5186, 0.3449, 0.3773



## Deuteranomaly

94.8578, 0.3406, 0.3703



## Tritanomaly

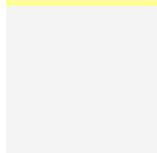
94.5891, 0.3365, 0.3624

# Monochromacy



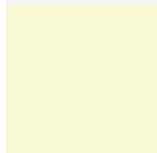
## Original Color

95.0470, 0.3734, 0.4293



## Achromatopsia

89.6269, 0.3127, 0.3290



## Achromatomaly

90.9488, 0.3352, 0.3662

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.0470, 0.3734, 0.4293 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 95.0470, 0.3734, 0.4293 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, 152) }
```

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

```
.border{ border-color:rgb(255, 255, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.0470, 0.3734, 0.4293 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, 152) }
```

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

```
.background{ background-color: rgb(255,  
255, 152) }
```

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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