

# Converting Colors

$Y_{xy}(100.0000, 0.3506, 0.4068)$

Have a look what the booklet for  
Yxy(100.0000, 0.3506, 0.4068)  
contains.

<b>Yxy(95.2629, 0.3522, 0.4007)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(95.2629, 0.3522, 0.4007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFFB7
RGB	250, 255, 183
RGB Percent	98%, 100%, 72%
CMY	0.0195, 0.0000, 0.2825
CMYK	0.02, 0.00, 0.28, 0.00
HSL	64°, 100%, 86%
HSV	64°, 28%, 100%
XYZ	83.7325, 95.2629, 58.7459
YIQ	245.2970, 20.1320, -23.4520

# Conversions

## Conversions Part 2

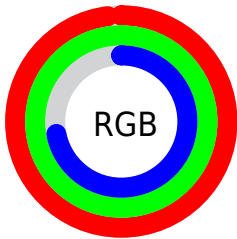
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 255, 188
Decimal	16449463
CIELab	98.14, -12.66, 33.97
CIElCh	98, 36.255, 110.439
Yxy	95.2629, 0.3522, 0.4007
Android (android.graphics.Color)	4294639543 (0xFFFAFFB7)
YUV	245.2970, -30.7124, 4.1245
Hunter-Lab	97.6027, -17.6713, 32.6360

# Details

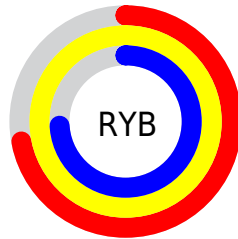
The Yxy color **95.2629, 0.3522, 0.4007** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.7491, 0.2664, 0.2475**, and the grayscale version is **91.8018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **53.3106, 0.3603, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **93.9733, 0.3657, 0.4259**, and if you desaturate by 10%, it is **96.7511, 0.3382, 0.3749**.

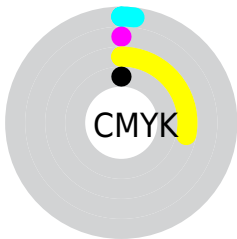
# Distribution



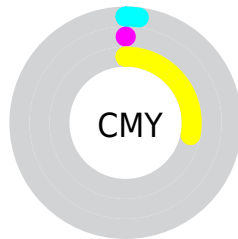
- Red (98%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (74%)



- Cyan (2%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.2629, 0.3522, 0.4007 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 95.2629, 0.3522, 0.4007 by changing the saturation by 10% instead.




 95.2629, 0.3522,  
0.4007

 95.2629, 0.3522,  
0.4007


545.0063, 0.3354,  
0.3686

 72.3538, 0.3557,  
0.4077


 154.6278, 0.3467,  
0.3898

 53.4477, 0.3597,  
0.4162


191.8523, 0.3445,  
0.3855

 38.1603, 0.3646,  
0.4267


234.6175, 0.3425,  
0.3817

 26.1071, 0.3704,  
0.4400

283.3077, 0.3408,  
0.3785

 16.9038, 0.3774,  
0.4571

338.3072, 0.3392,  
0.3756

 10.1659, 0.3858,  
0.4798

400.0006, 0.3378,

 5.5091, 0.3949,

0.3730

0.5108

468.7721, 0.3366,  
0.3707

■ 2.5490, 0.4205,  
0.5795

■ 0.9011, 0.3779,  
0.6221

■ 95.2629, 0.3522,  
0.4007

■ 95.2629, 0.3522,  
0.4007

■ 93.9733, 0.3657,  
0.4259

■ 96.7511, 0.3382,  
0.3749

■ 92.8670, 0.3781,  
0.4495


■ 98.4428, 0.3241,  
0.3494


■ 91.9343, 0.3887,  
0.4705


100.0000, 0.3127,  
0.3290

■ 91.1626, 0.3972,  
0.4880

 90.5374, 0.4030,  
0.5012

 90.0416, 0.4062,  
0.5098

 89.6518, 0.4070,  
0.5144

 89.5890, 0.4070,  
0.5150

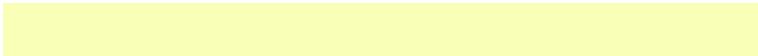
# Harmonies

## Analogous

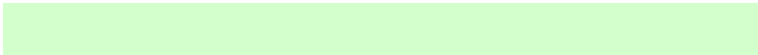
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2629, 0.3817, 0.3872



95.2629, 0.3522, 0.4007



95.2629, 0.3132, 0.3927

# Triad

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



95.2629, 0.3522, 0.4007



95.2629, 0.2389, 0.2903



95.2629, 0.3486, 0.2972

# Complementary

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



95.2629, 0.3522, 0.4007



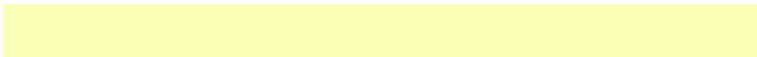
51.7491, 0.2664, 0.2475

# 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.



95.2629, 0.3081, 0.2747



95.2629, 0.3522, 0.4007



95.2629, 0.2467, 0.2694

# Square

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



95.2629, 0.3522, 0.4007



95.2629, 0.2490, 0.3247



95.2629, 0.2713, 0.2644



95.2629, 0.3804, 0.3275

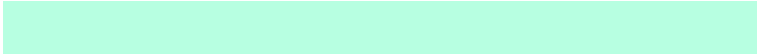


# Rectangle

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



95.2629, 0.3522, 0.4007



95.2629, 0.2873, 0.3752



95.2629, 0.2713, 0.2644



95.2629, 0.3355, 0.2886

# Sweetspot

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



95.2645, 0.3522, 0.4007



98.4886, 0.3237, 0.3488



60.5382, 0.3738, 0.3342



21.0231, 0.3258, 0.3526



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

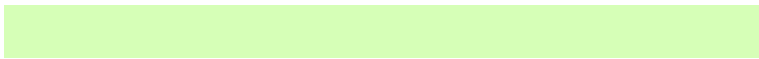
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.2645, 0.3522, 0.4007



94.4994, 0.3600, 0.4153



89.2589, 0.3283, 0.4066



21.0231, 0.3258, 0.3526



46.8393, 0.4073, 0.5148



4.5790, 0.4087, 0.5137



# Inverse Universe

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



51.7491, 0.2664, 0.2475



44.3685, 0.2551, 0.2281



56.8785, 0.2922, 0.2532



17.4377, 0.2989, 0.3045



3.8598, 0.1521, 0.0611

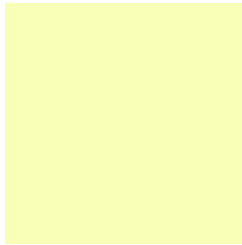


0.3958, 0.1568, 0.0638



# Previews

## White Background



This preview shows how the Yxy color 95.2629, 0.3522, 0.4007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

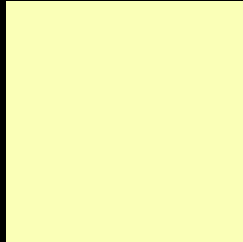
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.2629, 0.3522, 0.4007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

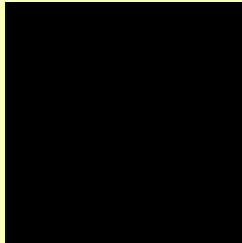
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.2629, 0.3522, 0.4007**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.2629, 0.3522, 0.4007.



This preview shows how white text looks on a background with the Yxy color 95.2629, 0.3522, 0.4007.

# Color Blindness Simulation

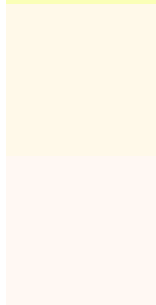
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

95.2629, 0.3522, 0.4007



### Protanopia

94.8946, 0.3262, 0.3446

### Deuteranopia

94.8659, 0.3202, 0.3338

## Tritanopia

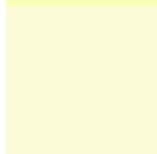
95.4256, 0.3124, 0.3223

# Trichromacy



## Original Color

95.2629, 0.3522, 0.4007



## Protanomaly

94.7833, 0.3356, 0.3645



## Deuteranomaly

95.0975, 0.3319, 0.3585



## Tritanomaly

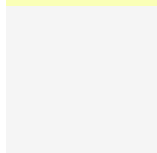
95.5342, 0.3271, 0.3505

# Monochromacy



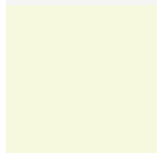
## Original Color

95.2629, 0.3522, 0.4007



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

92.7994, 0.3276, 0.3559

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.2629, 0.3522, 0.4007 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(250, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 183)  
}
```

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(250, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 95.2629, 0.3522, 0.4007 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(250, 255, 183) }
```

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

```
.border{ border-color:rgb(250, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.2629, 0.3522, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 183) }
```

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

```
.background{ background-color: rgb(250,  
255, 183) }
```

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