

# Converting Colors

$Y_{xy}(100.0000, 0.3660, 0.4053)$

Have a look what the booklet for  
Yxy(100.0000, 0.3660, 0.4053)  
contains.

<b>Yxy(95.9944, 0.3585, 0.4047)</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(95.9944, 0.3585, 0.4047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFB2
RGB	255, 255, 178
RGB Percent	100%, 100%, 70%
CMY	0.0000, 0.0000, 0.3019
CMYK	0.00, 0.00, 0.30, 0.00
HSL	60°, 100%, 85%
HSV	60°, 30%, 100%
XYZ	85.0358, 95.9944, 56.1687
YIQ	246.2220, 24.7170, -23.9470

# Conversions

## Conversions Part 2

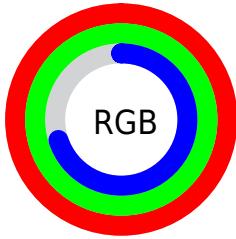
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 255, 178
Decimal	16777138
CIE <sub>Lab</sub>	98.43, -11.44, 36.89
CIE <sub>LCh</sub>	98, 38.626, 107.232
Yxy	95.9944, 0.3585, 0.4047
Android (android.graphics.Color)	4294967218 (0xFFFFFFFFB2)
YUV	246.2220, -33.6334, 7.6983
Hunter-Lab	97.9767, -16.5358, 34.5936

# Details

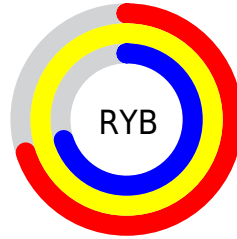
The Yxy color **95.9944, 0.3585, 0.4047** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.5295, 0.2590, 0.2402**, and the grayscale version is **92.6099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **53.7392, 0.3667, 0.4200** is the 20% darker color. If you saturate the color by 10%, you get **95.0633, 0.3731, 0.4288**, and if you desaturate by 10%, it is **97.1158, 0.3433, 0.3795**.

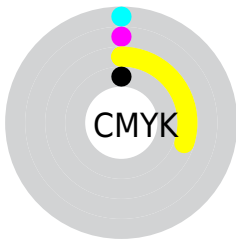
# Distribution



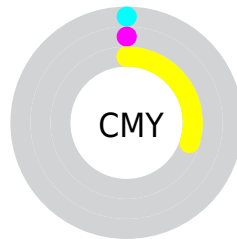
- Red (100%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.9944, 0.3585, 0.4047 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 95.9944, 0.3585, 0.4047 by changing the saturation by 10% instead.



 95.9944, 0.3585,  
0.4047

 95.9944, 0.3585,  
0.4047


547.3436, 0.3391,  
0.3710

 72.9629, 0.3625,  
0.4120


 155.6377, 0.3521,  
0.3933

 53.9456, 0.3672,  
0.4208


193.0183, 0.3495,  
0.3888

 38.5582, 0.3728,  
0.4317


235.9506, 0.3473,  
0.3849

 26.4162, 0.3795,  
0.4452

284.8192, 0.3452,  
0.3814

 17.1353, 0.3875,  
0.4625

340.0084, 0.3434,  
0.3784

 10.3310, 0.3968,  
0.4851

401.9026, 0.3418,

 5.6190, 0.4071,

0.3756

0.5152

470.8862, 0.3404,  
0.3732

■ 2.6148, 0.4276,  
0.5724

■ 0.9341, 0.3941,  
0.6059

■ 95.9944, 0.3585,  
0.4047

■ 95.9944, 0.3585,  
0.4047

■ 95.0633, 0.3731,  
0.4288

■ 97.1158, 0.3433,  
0.3795

■ 94.3120, 0.3864,  
0.4509

■ 98.4374, 0.3280,  
0.3542

■ 93.7290, 0.3980,  
0.4699

99.9683, 0.3130,  
0.3295

■ 93.3013, 0.4071,  
0.4851

100.0000, 0.3127,  
0.3290

■ 93.0140, 0.4137,  
0.4960

■ 92.8494, 0.4176,  
0.5024

■ 92.7791, 0.4193,  
0.5053

# Harmonies

## Analogous

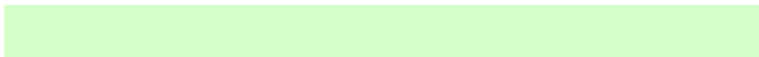
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9944, 0.3883, 0.3880



95.9944, 0.3585, 0.4047



95.9944, 0.3176, 0.3991

# Triad

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



95.9944, 0.3585, 0.4047



95.9944, 0.2348, 0.2911



95.9944, 0.3464, 0.2923

# Complementary

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



95.9944, 0.3585, 0.4047



48.5295, 0.2590, 0.2402

# 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.



95.9944, 0.3032, 0.2697



95.9944, 0.3585, 0.4047



95.9944, 0.2411, 0.2673

# Square

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



95.9944, 0.3585, 0.4047



95.9944, 0.2474, 0.3287



95.9944, 0.2652, 0.2605



95.9944, 0.3819, 0.3236

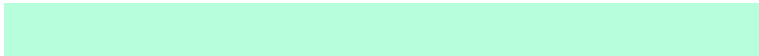


# Rectangle

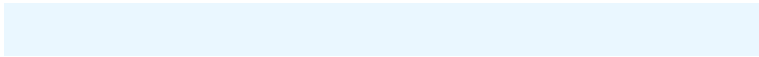
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.9944, 0.3585, 0.4047



95.9944, 0.2899, 0.3819



95.9944, 0.2652, 0.2605



95.9944, 0.3322, 0.2835

# Sweetspot

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



95.9944, 0.3585, 0.4047



98.6090, 0.3261, 0.3512



56.3182, 0.3811, 0.3292



21.0617, 0.3284, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

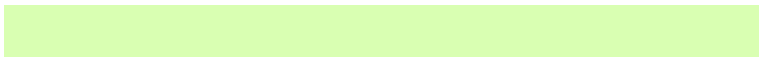
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.9944, 0.3585, 0.4047



95.4312, 0.3671, 0.4189



89.4104, 0.3326, 0.4116



21.0908, 0.3269, 0.3525



48.4791, 0.4193, 0.5053



4.7202, 0.4193, 0.5053



# Inverse Universe

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



48.5295, 0.2590, 0.2402



41.2933, 0.2467, 0.2199



53.7393, 0.2866, 0.2467



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

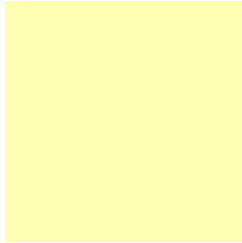


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 95.9944, 0.3585, 0.4047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

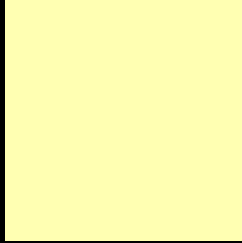
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.9944, 0.3585, 0.4047 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

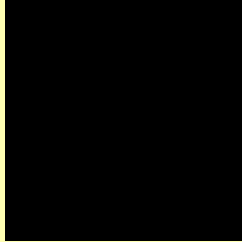
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.9944, 0.3585, 0.4047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.9944, 0.3585, 0.4047.



This preview shows how white text looks on a background with the Yxy color 95.9944, 0.3585, 0.4047.

# Color Blindness Simulation

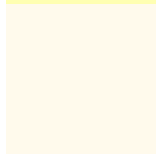
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



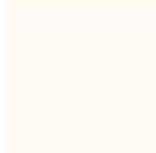
### Original Color

95.9944, 0.3585, 0.4047



### Protanopia

95.6873, 0.3243, 0.3426



### Deuteranopia

96.2238, 0.3188, 0.3338

## Tritanopia

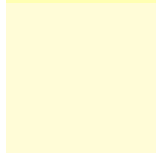
96.1671, 0.3136, 0.3242

# Trichromacy



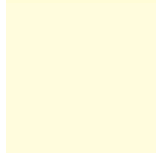
## Original Color

95.9944, 0.3585, 0.4047



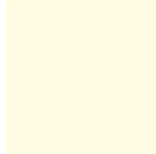
## Protanomaly

95.7871, 0.3368, 0.3653



## Deuteranomaly

96.1013, 0.3331, 0.3593



## Tritanomaly

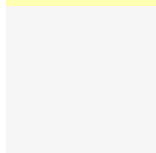
95.7453, 0.3302, 0.3534

# Monochromacy



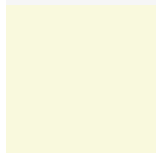
## Original Color

95.9944, 0.3585, 0.4047



## Achromatopsia

92.1582, 0.3127, 0.3290



## Achromatomaly

93.1116, 0.3295, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.9944, 0.3585, 0.4047 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 95.9944, 0.3585, 0.4047 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, 178) }
```

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

```
.border{ border-color:rgb(255, 255, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.9944, 0.3585, 0.4047 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
255, 178) }
```

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