

# Converting Colors

$Y_{xy}(215.1819, 0.3837, 0.4594)$

Have a look what the booklet for  
Yxy(215.1819, 0.3837, 0.4594)  
contains.

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# Color

**Yxy(95.9543, 0.3591, 0.4057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFB1
RGB	255, 255, 177
RGB Percent	100%, 100%, 69%
CMY	0.0000, 0.0000, 0.3060
CMYK	0.00, 0.00, 0.31, 0.00
HSL	60°, 100%, 85%
HSV	60°, 31%, 100%
XYZ	84.9327, 95.9543, 55.6284
YIQ	246.1080, 25.0380, -24.2580

# Conversions

## Conversions Part 2

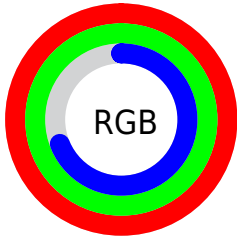
Format	Color
<b>RYB</b>	177, 255, 177
Decimal	16777137
CIELab	98.41, -11.57, 37.38
CIELCh	98, 39.130, 107.197
Yxy	95.9543, 0.3591, 0.4057
Android (android.graphics.Color)	4294967217 (0xFFFFFFFFB1)
YUV	246.1080, -34.0702, 7.7983
Hunter-Lab	97.9563, -16.6556, 34.8992

# Details

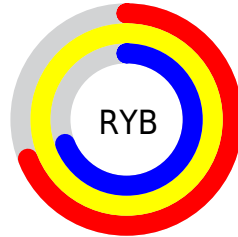
The Yxy color **95.9543, 0.3591, 0.4057** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.0023, 0.2581, 0.2388**, and the grayscale version is **92.5128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **53.7137, 0.3674, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **95.0288, 0.3737, 0.4298**, and if you desaturate by 10%, it is **97.0665, 0.3439, 0.3805**.

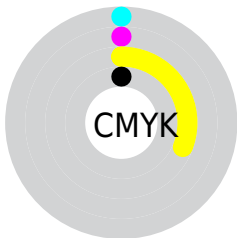
# Distribution



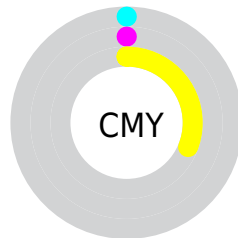
- Red (100%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.9543, 0.3591, 0.4057 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 95.9543, 0.3591, 0.4057 by changing the saturation by 10% instead.





 95.9543, 0.3591,  
0.4057

 95.9543, 0.3591,  
0.4057

547.2156, 0.3394,  
0.3716

 72.9295, 0.3631,  
0.4131


 155.5823, 0.3526,  
0.3942

 53.9183, 0.3679,  
0.4220


192.9544, 0.3500,  
0.3896

 38.5364, 0.3735,  
0.4330


235.8776, 0.3477,  
0.3856

 26.3992, 0.3802,  
0.4467

284.7364, 0.3457,  
0.3821

 17.1225, 0.3883,  
0.4642

339.9153, 0.3439,  
0.3790

 10.3219, 0.3977,  
0.4869

401.7984, 0.3422,

 5.6129, 0.4078,

0.3763

0.5173

470.7704, 0.3408,  
0.3738

■ 2.6112, 0.4269,  
0.5731

■ 0.9323, 0.3927,  
0.6073

■ 95.9543, 0.3591,  
0.4057

■ 95.9543, 0.3591,  
0.4057

■ 95.0288, 0.3737,  
0.4298

■ 97.0665, 0.3439,  
0.3805

■ 94.2843, 0.3869,  
0.4517

■ 98.3801, 0.3286,  
0.3552

■ 93.7076, 0.3984,  
0.4706

■ 99.9025, 0.3136,  
0.3304

■ 93.2856, 0.4075,  
0.4856

■ 100.0000, 0.3127,  
0.3290

■ 93.0034, 0.4139,  
0.4963

■ 92.8431, 0.4177,  
0.5026

■ 92.7769, 0.4193,  
0.5053

# Harmonies

## Analogous

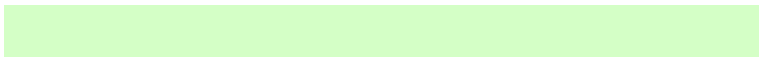
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9543, 0.3893, 0.3887



95.9543, 0.3591, 0.4057



95.9543, 0.3177, 0.4001

# Triad

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



95.9543, 0.3591, 0.4057



95.9543, 0.2339, 0.2906



95.9543, 0.3468, 0.2918

# Complementary

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



95.9543, 0.3591, 0.4057



48.0023, 0.2581, 0.2388

# 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.



95.9543, 0.3030, 0.2690



95.9543, 0.3591, 0.4057



95.9543, 0.2402, 0.2665

# Square

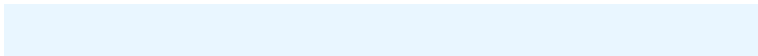
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.9543, 0.3591, 0.4057



95.9543, 0.2466, 0.3287



95.9543, 0.2646, 0.2596



95.9543, 0.3828, 0.3234

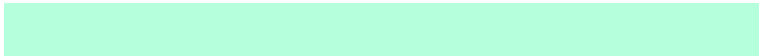


# Rectangle

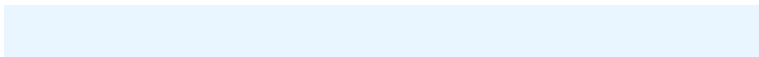
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.9543, 0.3591, 0.4057



95.9543, 0.2896, 0.3827



95.9543, 0.2646, 0.2596



95.9543, 0.3323, 0.2829

# Sweetspot

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



95.9526, 0.3591, 0.4057



98.6088, 0.3261, 0.3512



55.8704, 0.3824, 0.3292



21.0617, 0.3284, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

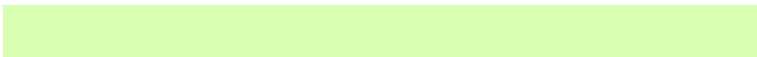
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.9526, 0.3591, 0.4057



95.3397, 0.3685, 0.4213



89.2911, 0.3329, 0.4128



21.0907, 0.3269, 0.3525



48.4780, 0.4193, 0.5053



4.7201, 0.4193, 0.5053



# Inverse Universe

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



48.0023, 0.2581, 0.2388



40.1290, 0.2446, 0.2164



53.2543, 0.2862, 0.2455



17.3779, 0.2978, 0.3044



3.7727, 0.1500, 0.0600

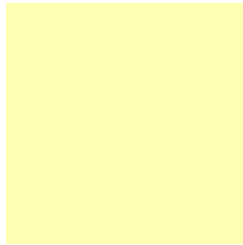


0.3674, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 95.9543, 0.3591, 0.4057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

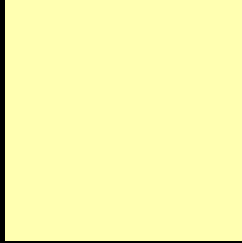
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.9543, 0.3591, 0.4057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

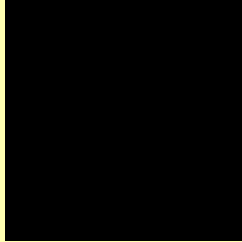
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.9543, 0.3591, 0.4057**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.9543, 0.3591, 0.4057.



This preview shows how white text looks on a background with the Yxy color 95.9543, 0.3591, 0.4057.

# Color Blindness Simulation

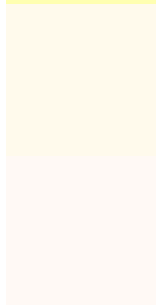
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

95.9543, 0.3591, 0.4057



### Protanopia

95.6873, 0.3243, 0.3426

### Deuteranopia

95.6039, 0.3189, 0.3329

## Tritanopia

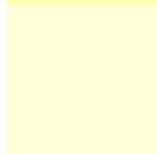
96.1671, 0.3136, 0.3242

# Trichromacy



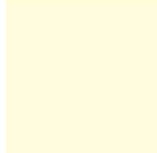
## Original Color

95.9543, 0.3591, 0.4057



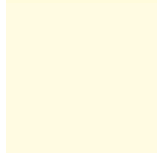
## Protanomaly

95.7871, 0.3368, 0.3653



## Deuteranomaly

95.4217, 0.3339, 0.3594



## Tritanomaly

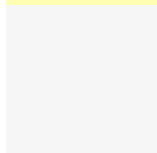
95.7453, 0.3302, 0.3534

# Monochromacy



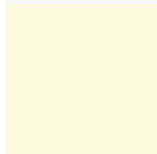
## Original Color

95.9543, 0.3591, 0.4057



## 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 95.9543, 0.3591, 0.4057 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 95.9543, 0.3591, 0.4057 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, 177) }
```

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

```
.border{ border-color:rgb(255, 255, 177) }
```

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, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.9543, 0.3591, 0.4057 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
255, 177) }
```

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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