

# Converting Colors

$Y_{xy}(135.8361, 0.4279, 0.4135)$

Have a look what the booklet for  
Yxy(135.8361, 0.4279, 0.4135)  
contains.

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# Color

**Yxy(95.3181, 0.3689, 0.4219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFA0
RGB	255, 255, 160
RGB Percent	100%, 100%, 63%
CMY	0.0000, 0.0000, 0.3725
CMYK	0.00, 0.00, 0.37, 0.00
HSL	60°, 100%, 81%
HSV	60°, 37%, 100%
XYZ	83.3440, 95.3181, 47.2637
YIQ	244.1700, 30.4950, -29.5450

# Conversions

## Conversions Part 2

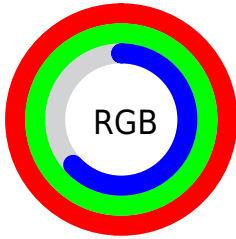
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	160, 255, 160
Decimal	16777120
CIE Lab	98.16, -13.50, 45.40
CIE LCh	98, 47.360, 106.559
Yxy	95.3181, 0.3689, 0.4219
Android (android.graphics.Color)	4294967200 (0xFFFFFFFFA0)
YUV	244.1700, -41.4958, 9.4979
Hunter-Lab	97.6310, -18.4753, 39.6391

# Details

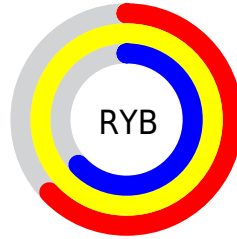
The Yxy color **95.3181, 0.3689, 0.4219** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8373, 0.2441, 0.2155**, and the grayscale version is **90.9288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **53.3200, 0.3792, 0.4407** is the 20% darker color. If you saturate the color by 10%, you get **94.5142, 0.3827, 0.4447**, and if you desaturate by 10%, it is **96.3035, 0.3541, 0.3974**.

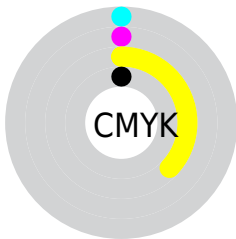
# Distribution



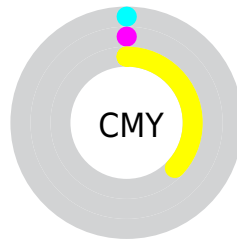
- Red (100%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.3181, 0.3689, 0.4219 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 95.3181, 0.3689, 0.4219 by changing the saturation by 10% instead.





 95.3181, 0.3689,  
0.4219


 95.3181, 0.3689,  
0.4219


545.1828, 0.3454,  
0.3807

 72.3998, 0.3736,  
0.4307


 154.7040, 0.3613,  
0.4080

 53.4853, 0.3790,  
0.4413


 191.9403, 0.3582,  
0.4025

 38.1903, 0.3853,  
0.4542


234.7181, 0.3554,  
0.3977

 26.1304, 0.3926,  
0.4701

283.4218, 0.3530,  
0.3935

 16.9212, 0.4007,  
0.4899

338.4357, 0.3508,  
0.3897

 10.1784, 0.4092,  
0.5148

400.1442, 0.3488,

 5.5174, 0.4229,

0.3864

0.5549

468.9318, 0.3470,  
0.3834

■ 2.5539, 0.4160,  
0.5840

■ 0.9035, 0.3693,  
0.6307

■ 95.3181, 0.3689,  
0.4219

■ 95.3181, 0.3689,  
0.4219

■ 94.5142, 0.3827,  
0.4447

■ 96.3035, 0.3541,  
0.3974

■ 93.8829, 0.3948,  
0.4647

■ 97.4829, 0.3388,  
0.3721

■ 93.4108, 0.4047,  
0.4811

■ 98.8653, 0.3235,  
0.3468

■ 93.0838, 0.4120,  
0.4932

100.0000, 0.3127,  
0.3290

■ 92.8851, 0.4167,  
0.5010

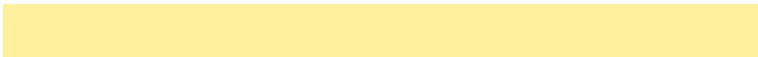
■ 92.7931, 0.4189,  
0.5046

■ 92.7777, 0.4193,  
0.5053

# Harmonies

## Analogous

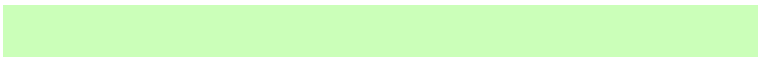
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.3181, 0.4055, 0.3992



95.3181, 0.3689, 0.4219



95.3181, 0.3190, 0.4171

# Triad

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



95.3181, 0.3689, 0.4219



95.3181, 0.2187, 0.2826



95.3181, 0.3527, 0.2837

# Complementary

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



95.3181, 0.3689, 0.4219



39.8373, 0.2441, 0.2155

# 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.



95.3181, 0.2994, 0.2572



95.3181, 0.3689, 0.4219



95.3181, 0.2257, 0.2542

# Square

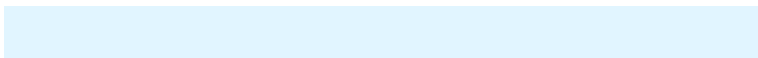
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.3181, 0.3689, 0.4219



95.3181, 0.2339, 0.3290



95.3181, 0.2539, 0.2463



95.3181, 0.3972, 0.3207

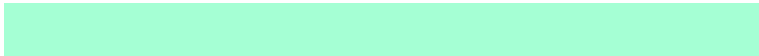


# Rectangle

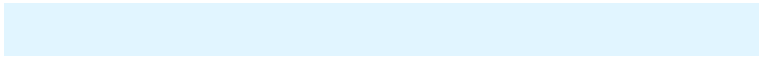
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.3181, 0.3689, 0.4219



95.3181, 0.2852, 0.3960



95.3181, 0.2539, 0.2463



95.3181, 0.3350, 0.2734

# Sweetspot

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



95.3173, 0.3689, 0.4219



98.3230, 0.3292, 0.3562



48.9411, 0.4047, 0.3293



21.0047, 0.3313, 0.3597



0.0000, 0.0000, 0.0000

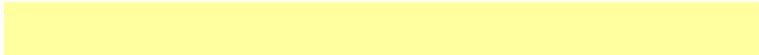


21.4041, 0.3127, 0.3290



# Same Dimension

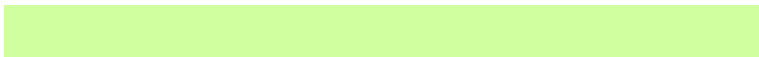
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.3173, 0.3689, 0.4219



94.6798, 0.3797, 0.4397



87.3960, 0.3367, 0.4328



21.0907, 0.3269, 0.3525



48.4784, 0.4193, 0.5053



4.7202, 0.4193, 0.5053



# Inverse Universe

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



39.8373, 0.2441, 0.2155



31.6470, 0.2272, 0.1876



45.7007, 0.2788, 0.2255



17.3779, 0.2978, 0.3044



3.7727, 0.1500, 0.0600

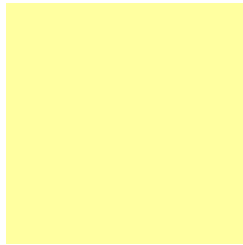


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 95.3181, 0.3689, 0.4219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

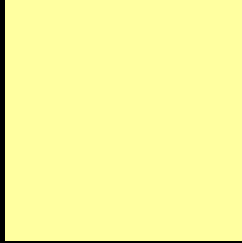
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.3181, 0.3689, 0.4219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

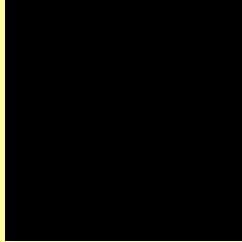
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.3181, 0.3689, 0.4219**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.3181, 0.3689, 0.4219.



This preview shows how white text looks on a background with the Yxy color 95.3181, 0.3689, 0.4219.

# 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

95.3181, 0.3689, 0.4219

### Protanopia

95.4574, 0.3267, 0.3465

### Deuteranopia

95.4824, 0.3201, 0.3348

## Tritanopia

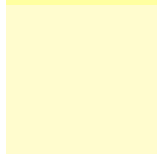
95.4867, 0.3142, 0.3242

# Trichromacy



## Original Color

95.3181, 0.3689, 0.4219



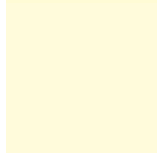
## Protanomaly

95.3370, 0.3423, 0.3743



## Deuteranomaly

95.0585, 0.3382, 0.3663



## Tritanomaly

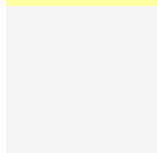
95.3688, 0.3345, 0.3604

# Monochromacy



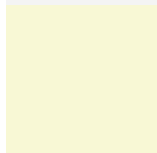
## Original Color

95.3181, 0.3689, 0.4219



## Achromatopsia

90.4661, 0.3127, 0.3290



## Achromatomaly

91.8954, 0.3339, 0.3640

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.3181, 0.3689, 0.4219 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 95.3181, 0.3689, 0.4219 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, 160) }
```

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

```
.border{ border-color:rgb(255, 255, 160) }
```

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, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.3181, 0.3689, 0.4219 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, 160) }
```

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

```
.background{ background-color: rgb(255,  
255, 160) }
```

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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