

# Converting Colors

$Y_{xy}(116.7585, 0.3846, 0.4162)$

Have a look what the booklet for  
Yxy(116.7585, 0.3846, 0.4162)  
contains.

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# Color

**Yxy(95.7586, 0.3620, 0.4105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFAC
RGB	255, 255, 172
RGB Percent	100%, 100%, 67%
CMY	0.0000, 0.0000, 0.3254
CMYK	0.00, 0.00, 0.33, 0.00
HSL	60°, 100%, 84%
HSV	60°, 33%, 100%
XYZ	84.4449, 95.7586, 53.0696
YIQ	245.5380, 26.6430, -25.8130

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	172, 255, 172
Decimal	16777132
CIE Lab	98.34, -12.16, 39.74
CIE LCh	98, 41.554, 107.011
Yxy	95.7586, 0.3620, 0.4105
Android (android.graphics.Color)	4294967212 (0xFFFFFFFFAC)
YUV	245.5380, -36.2542, 8.2982
Hunter-Lab	97.8563, -17.2125, 36.3452

# Details

The Yxy color **95.7586, 0.3620, 0.4105** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.5053, 0.2541, 0.2321**, and the grayscale version is **92.0468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **53.5904, 0.3710, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **94.8691, 0.3764, 0.4342**, and if you desaturate by 10%, it is **96.8337, 0.3469, 0.3855**.

# Distribution



- Red (100%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.7586, 0.3620, 0.4105 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 95.7586, 0.3620, 0.4105 by changing the saturation by 10% instead.





 95.7586, 0.3620,  
0.4105

 95.7586, 0.3620,  
0.4105


546.5907, 0.3412,  
0.3742

 72.7665, 0.3662,  
0.4183


 155.3122, 0.3552,  
0.3983

 53.7851, 0.3712,  
0.4278


192.6426, 0.3524,  
0.3934

 38.4299, 0.3771,  
0.4393

235.5211, 0.3500,  
0.3892

 26.3165, 0.3840,  
0.4537

284.3322, 0.3478,  
0.3855

 17.0606, 0.3922,  
0.4720

339.4604, 0.3459,  
0.3822

 10.2777, 0.4014,  
0.4956


401.2899, 0.3442,


 5.5835, 0.4119,

0.3792

0.5278


470.2052, 0.3426,  
0.3766

 2.5935, 0.4236,  
0.5764


 0.9234, 0.3860,  
0.6140


 95.7586, 0.3620,  
0.4105


 95.7586, 0.3620,  
0.4105


 94.8691, 0.3764,  
0.4342


 96.8337, 0.3469,  
0.3855

 94.1579, 0.3893,  
0.4557

 98.1079, 0.3315,  
0.3601

 93.6121, 0.4003,  
0.4739

 99.5893, 0.3165,  
0.3352

 93.2183, 0.4089,  
0.4881

100.0000, 0.3127,  
0.3290

■ 92.9611, 0.4148,  
0.4979

■ 92.8219, 0.4182,  
0.5034

■ 92.7744, 0.4193,  
0.5053

# Harmonies

## Analogous

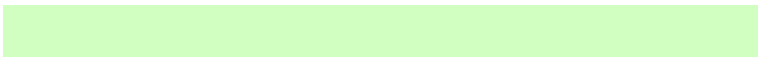
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7586, 0.3940, 0.3919



95.7586, 0.3620, 0.4105



95.7586, 0.3181, 0.4051

# Triad

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



95.7586, 0.3620, 0.4105



95.7586, 0.2293, 0.2882



95.7586, 0.3486, 0.2894

# Complementary

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



95.7586, 0.3620, 0.4105



45.5053, 0.2541, 0.2321

# 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.



95.7586, 0.3020, 0.2655



95.7586, 0.3620, 0.4105



95.7586, 0.2359, 0.2628

# Square

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



95.7586, 0.3620, 0.4105



95.7586, 0.2428, 0.3288



95.7586, 0.2614, 0.2557



95.7586, 0.3870, 0.3227

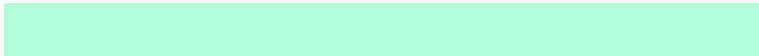


# Rectangle

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



95.7586, 0.3620, 0.4105



95.7586, 0.2883, 0.3865



95.7586, 0.2614, 0.2557



95.7586, 0.3332, 0.2801

# Sweetspot

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



95.7574, 0.3620, 0.4105



98.4646, 0.3277, 0.3537



53.7508, 0.3886, 0.3292



21.0329, 0.3298, 0.3573



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

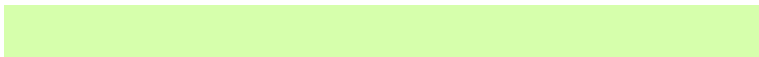
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7574, 0.3620, 0.4105



95.1629, 0.3714, 0.4260



88.7215, 0.3340, 0.4186



21.0907, 0.3269, 0.3525



48.4767, 0.4193, 0.5053



4.7200, 0.4193, 0.5053



# Inverse Universe

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



45.5053, 0.2541, 0.2321



37.8704, 0.2403, 0.2092



50.9539, 0.2841, 0.2397



17.3779, 0.2978, 0.3044



3.7727, 0.1500, 0.0600

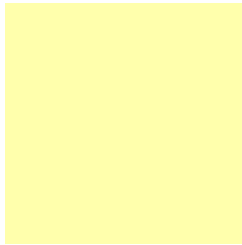


0.3674, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 95.7586, 0.3620, 0.4105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

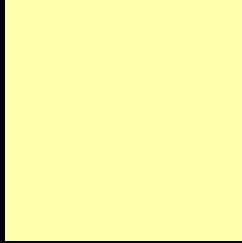
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.7586, 0.3620, 0.4105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

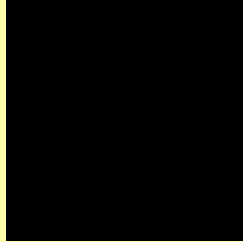
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.7586, 0.3620, 0.4105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.7586, 0.3620, 0.4105.

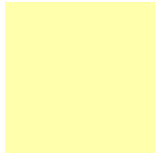


This preview shows how white text looks on a background with the Yxy color 95.7586, 0.3620, 0.4105.

# Color Blindness Simulation

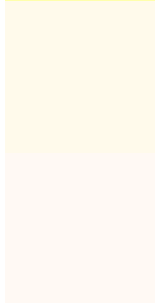
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

95.7586, 0.3620, 0.4105



### Protanopia

95.6294, 0.3249, 0.3436

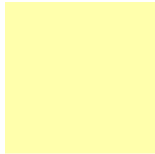
### Deuteranopia

95.5430, 0.3195, 0.3338

## Tritanopia

95.5506, 0.3136, 0.3233

# Trichromacy



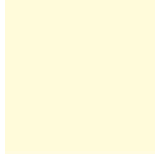
## Original Color

95.7586, 0.3620, 0.4105



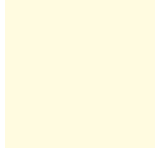
## Protanomaly

95.6343, 0.3386, 0.3683



## Deuteranomaly

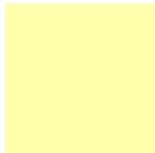
95.3163, 0.3351, 0.3614



## Tritanomaly

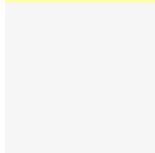
95.6362, 0.3314, 0.3554

# Monochromacy



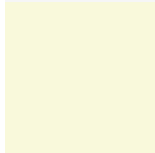
## Original Color

95.7586, 0.3620, 0.4105



## Achromatopsia

92.1582, 0.3127, 0.3290



## Achromatomaly

93.0056, 0.3308, 0.3588

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.7586, 0.3620, 0.4105 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 95.7586, 0.3620, 0.4105 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, 172) }
```

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

```
.border{ border-color:rgb(255, 255, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.7586, 0.3620, 0.4105 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, 172) }
```

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

```
.background{ background-color: rgb(255,  
255, 172) }
```

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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