

# Converting Colors

$Y_{xy}(100.0000, 0.3630, 0.3765)$

Have a look what the booklet for  
Yxy(100.0000, 0.3630, 0.3765)  
contains.

<b>Yxy(95.0979, 0.3453, 0.3793)</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(95.0979, 0.3453, 0.3793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCC9
RGB	255, 252, 201
RGB Percent	100%, 99%, 79%
CMY	0.0003, 0.0117, 0.2118
CMYK	0.00, 0.01, 0.21, 0.00
HSL	57°, 100%, 89%
HSV	57°, 21%, 100%
XYZ	86.5734, 95.0979, 69.0481
YIQ	247.0830, 18.1590, -15.2250

# Conversions

## Conversions Part 2

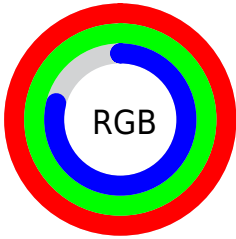
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	204, 255, 201
Decimal	16776393
CIE <sub>Lab</sub>	98.07, -7.02, 24.85
CIE <sub>LCh</sub>	98, 25.820, 105.767
Yxy	95.0979, 0.3453, 0.3793
Android (android.graphics.Color)	4294966473 (0xFFFFFCC9)
<b>YUV</b>	247.0830, -22.7189, 6.9432
Hunter-Lab	97.5182, -12.1903, 26.2822

# Details

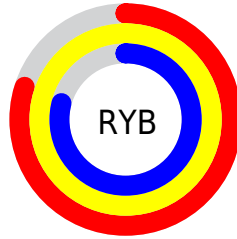
The Yxy color **95.0979, 0.3453, 0.3793** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.7707, 0.2772, 0.2732**, and the grayscale version is **93.2553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.1426, 0.3521, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **93.1415, 0.3611, 0.4033**, and if you desaturate by 10%, it is **97.2681, 0.3296, 0.3552**.

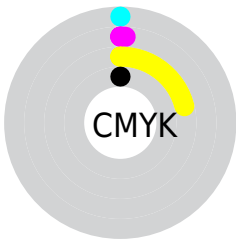
# Distribution



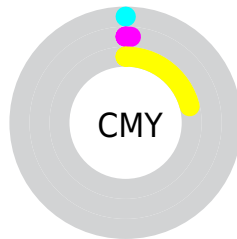
- Red (100%)
- Green (99%)
- Blue (79%)



- Red (80%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.0979, 0.3453, 0.3793 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 95.0979, 0.3453, 0.3793 by changing the saturation by 10% instead.




 95.0979, 0.3453,  
0.3793

 95.0979, 0.3453,  
0.3793


544.4783, 0.3312,  
0.3569

 72.2165, 0.3483,  
0.3842

154.3998, 0.3406,  
0.3717

 53.3355, 0.3519,  
0.3901


191.5891, 0.3387,  
0.3687

 38.0707, 0.3563,  
0.3975


234.3165, 0.3370,  
0.3661

 26.0376, 0.3617,  
0.4068

282.9664, 0.3356,  
0.3638

 16.8517, 0.3686,  
0.4190

337.9231, 0.3343,  
0.3618

 10.1288, 0.3776,  
0.4354

399.5710, 0.3331,

 5.4845, 0.3893,

0.3600

0.4585

468.2947, 0.3321,  
0.3583

■ 2.5342, 0.4114,  
0.5013

■ 0.8937, 0.4314,  
0.5686

■ 95.0979, 0.3453,  
0.3793

■ 95.0979, 0.3453,  
0.3793

■ 93.1415, 0.3611,  
0.4033

■ 97.2681, 0.3296,  
0.3552

■ 91.3764, 0.3765,  
0.4264

■ 99.6486, 0.3144,  
0.3317

■ 89.7960, 0.3908,  
0.4475

■ 99.9868, 0.3127,  
0.3290

■ 88.3889, 0.4035,  
0.4657

■ 87.1417, 0.4139,  
0.4800

■ 86.0395, 0.4217,  
0.4900

■ 85.0641, 0.4267,  
0.4956

■ 84.2825, 0.4292,  
0.4974

# Harmonies

## Analogous

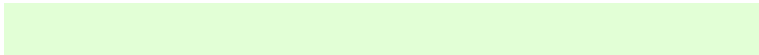
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.0979, 0.3643, 0.3688



95.0979, 0.3453, 0.3793



95.0979, 0.3181, 0.3755

# Triad

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



95.0979, 0.3453, 0.3793



95.0979, 0.2594, 0.3053



95.0979, 0.3342, 0.3030

# Complementary

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



95.0979, 0.3453, 0.3793



62.7707, 0.2772, 0.2732

# 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.



95.0979, 0.3053, 0.2875



95.0979, 0.3453, 0.3793



95.0979, 0.2632, 0.2879

# Square

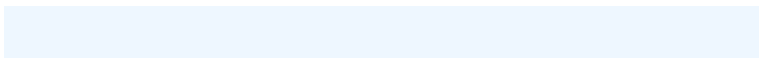
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.0979, 0.3453, 0.3793



95.0979, 0.2691, 0.3308



95.0979, 0.2796, 0.2819



95.0979, 0.3580, 0.3248

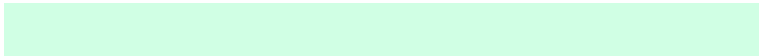


# Rectangle

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



95.0979, 0.3453, 0.3793



95.0979, 0.2991, 0.3646



95.0979, 0.2796, 0.2819



95.0979, 0.3247, 0.2969

# Sweetspot

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



95.1021, 0.3453, 0.3793



98.5292, 0.3217, 0.3429



67.4070, 0.3528, 0.3254



21.0561, 0.3227, 0.3445



0.0000, 0.0000, 0.0000

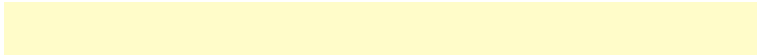


21.4041, 0.3127, 0.3290



# Same Dimension

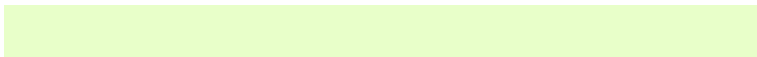
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.1021, 0.3453, 0.3793



94.3832, 0.3514, 0.3886



92.7747, 0.3293, 0.3847



20.9133, 0.3270, 0.3512



44.1394, 0.4291, 0.4975



4.3469, 0.4278, 0.4985



# Inverse Universe

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



62.7707, 0.2772, 0.2732



57.2161, 0.2698, 0.2615



64.8937, 0.2931, 0.2726



17.5345, 0.2978, 0.3057



3.9960, 0.1509, 0.0632

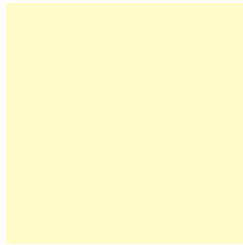


0.4418, 0.1530, 0.0707



# Previews

## White Background



This preview shows how the Yxy color 95.0979, 0.3453, 0.3793 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

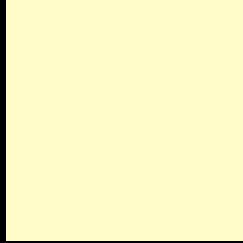
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.0979, 0.3453, 0.3793 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

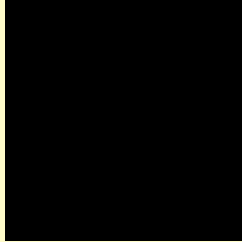
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.0979, 0.3453, 0.3793**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.0979, 0.3453, 0.3793.

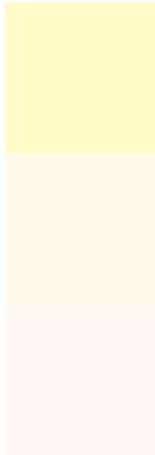


This preview shows how white text looks on a background with the Yxy color 95.0979, 0.3453, 0.3793.

# 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

95.0979, 0.3453, 0.3793

### Protanopia

94.8946, 0.3262, 0.3446

### Deuteranopia

94.9265, 0.3196, 0.3329

## Tritanopia

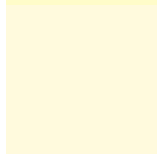
95.0015, 0.3131, 0.3214

# Trichromacy



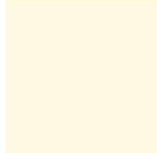
## Original Color

95.0979, 0.3453, 0.3793



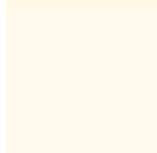
## Protanomaly

94.8517, 0.3334, 0.3574



## Deuteranomaly

94.6128, 0.3292, 0.3495



## Tritanomaly

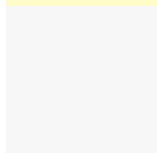
95.0095, 0.3250, 0.3426

# Monochromacy



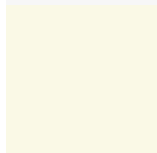
## Original Color

95.0979, 0.3453, 0.3793



## Achromatopsia

93.0111, 0.3127, 0.3290



## Achromatomaly

93.7885, 0.3247, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.0979, 0.3453, 0.3793 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, 252, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 201)  
}
```

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, 252, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 95.0979, 0.3453, 0.3793 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, 252, 201) }
```

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

```
.border{ border-color:rgb(255, 252, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.0979, 0.3453, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 201) }
```

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

```
.background{ background-color: rgb(255,  
252, 201) }
```

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