

Converting Colors

$Y_{xy}(100.0000, 0.3407, 0.3834)$

Have a look what the booklet for
Yxy(100.0000, 0.3407, 0.3834)
contains.

Yxy(96.7623, 0.3416, 0.3793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(96.7623, 0.3416, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	FDFECC
RGB	253, 255, 204
RGB Percent	99%, 100%, 80%
CMY	0.0081, 0.0000, 0.2001
CMYK	0.01, 0.00, 0.20, 0.00
HSL	62°, 100%, 90%
HSV	62°, 20%, 100%
XYZ	87.1447, 96.7623, 71.2005
YIQ	248.5880, 15.1790, -16.2850

Conversions

Conversions Part 2

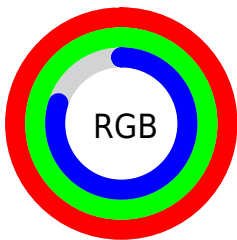
Format	Color
RYB	204, 255, 206
Decimal	16646092
CIELab	98.73, -8.80, 24.22
CIELCh	99, 25.773, 109.974
Yxy	96.7623, 0.3416, 0.3793
Android (android.graphics.Color)	4294836172 (0xFFFDFFCC)
YUV	248.5880, -21.9819, 3.8693
Hunter-Lab	98.3678, -14.0093, 25.9422

Details

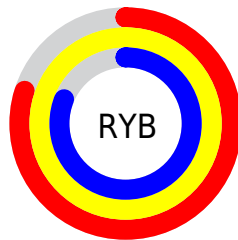
The Yxy color **96.7623, 0.3416, 0.3793** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.5298, 0.2806, 0.2737**, and the grayscale version is **94.5281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.3259, 0.3472, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **95.4280, 0.3561, 0.4048**, and if you desaturate by 10%, it is **98.2679, 0.3270, 0.3538**.

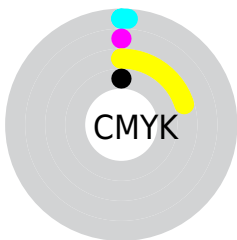
Distribution



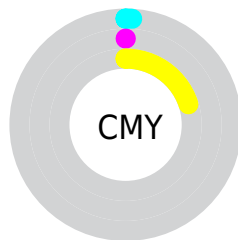
- Red (99%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (81%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.7623, 0.3416, 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 96.7623, 0.3416, 0.3793 by changing the saturation by 10% instead.


 96.7623, 0.3416,
0.3793

 96.7623, 0.3416,
0.3793

549.7915, 0.3292,
0.3569

 73.6026, 0.3442,
0.3842


156.6971, 0.3375,
0.3717

 54.4688, 0.3474,
0.3902


194.2409, 0.3358,
0.3687

 38.9766, 0.3512,
0.3975


237.3483, 0.3343,
0.3661

 26.7415, 0.3559,
0.4069

286.4035, 0.3331,
0.3638

 17.3792, 0.3618,
0.4191

341.7911, 0.3319,
0.3618

 10.5052, 0.3695,
0.4357

403.8954, 0.3309,

 5.7352, 0.3794,

0.3600

0.4592

473.1007, 0.3300,
0.3583

■ 2.6847, 0.3957,
0.4993

■ 0.9695, 0.4207,
0.5793

■ 96.7623, 0.3416,
0.3793

■ 96.7623, 0.3416,
0.3793

■ 95.4280, 0.3561,
0.4048

■ 98.2679, 0.3270,
0.3538

■ 94.3004, 0.3700,
0.4294

99.9990, 0.3127,
0.3290

■ 93.3539, 0.3826,
0.4522

100.0000, 0.3127,
0.3290

■ 92.5769, 0.3934,
0.4721

■ 91.9565, 0.4019,
0.4882

■ 91.4779, 0.4078,
0.5000

■ 91.1234, 0.4111,
0.5074

■ 90.8644, 0.4121,
0.5110

Harmonies

Analogous

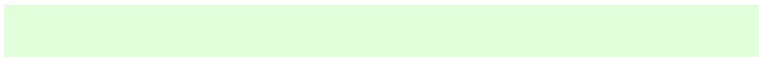
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.7623, 0.3620, 0.3707



96.7623, 0.3416, 0.3793



96.7623, 0.3140, 0.3733

Triad

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



96.7623, 0.3416, 0.3793



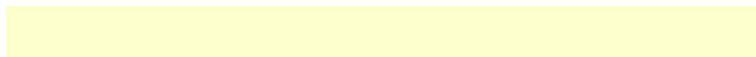
96.7623, 0.2595, 0.3024



96.7623, 0.3378, 0.3059

Complementary

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



96.7623, 0.3416, 0.3793



63.5298, 0.2806, 0.2737

Split Complementary

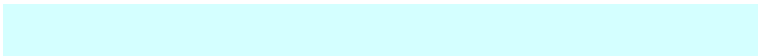
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7623, 0.3094, 0.2894



96.7623, 0.3416, 0.3793



96.7623, 0.2651, 0.2866

Square

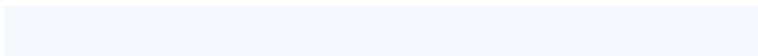
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



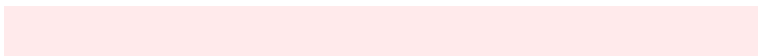
96.7623, 0.3416, 0.3793



96.7623, 0.2673, 0.3270



96.7623, 0.2829, 0.2823



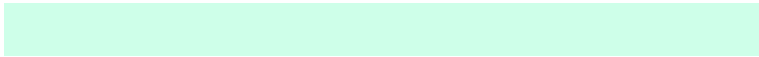
96.7623, 0.3601, 0.3282

Rectangle

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



96.7623, 0.3416, 0.3793



96.7623, 0.2955, 0.3614



96.7623, 0.2829, 0.2823



96.7623, 0.3286, 0.2996

Sweetspot

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



96.7473, 0.3416, 0.3793



98.9355, 0.3212, 0.3437



69.6107, 0.3524, 0.3309



21.1525, 0.3222, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

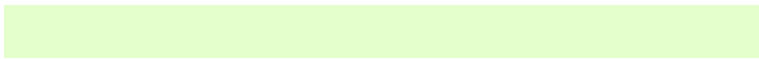
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.7473, 0.3416, 0.3793



96.1967, 0.3474, 0.3895



92.3390, 0.3251, 0.3820



21.0509, 0.3263, 0.3525



47.4952, 0.4122, 0.5109



4.6357, 0.4131, 0.5102

Inverse Universe

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



63.5298, 0.2806, 0.2737



57.4894, 0.2732, 0.2611



67.4202, 0.2979, 0.2765



17.4130, 0.2985, 0.3044



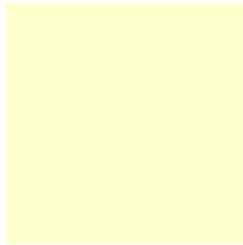
3.8228, 0.1512, 0.0607



0.3841, 0.1540, 0.0622

Previews

White Background



This preview shows how the Yxy color 96.7623, 0.3416, 0.3793 looks on a white background.

Color Contrast Check

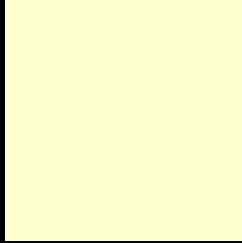
Large Text (above 18pt) WCAG AA × Fail

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 96.7623, 0.3416, 0.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

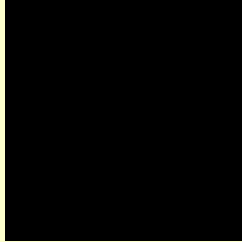
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.7623, 0.3416, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 96.7623, 0.3416, 0.3793.



This preview shows how white text looks on a background with the Yxy color 96.7623, 0.3416, 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

96.7623, 0.3416, 0.3793



Protanopia

96.6052, 0.3212, 0.3387

Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

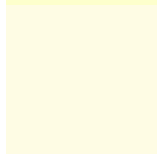
96.6620, 0.3123, 0.3242

Trichromacy



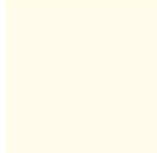
Original Color

96.7623, 0.3416, 0.3793



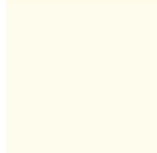
Protanomaly

96.2931, 0.3282, 0.3524



Deuteranomaly

96.5178, 0.3258, 0.3485



Tritanomaly

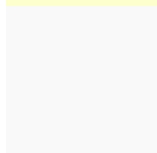
96.7478, 0.3234, 0.3445

Monochromacy



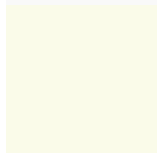
Original Color

96.7623, 0.3416, 0.3793



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.2015, 0.3227, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.7623, 0.3416, 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(253, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 204)  
}
```

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(253, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 96.7623, 0.3416, 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(253, 255, 204) }
```

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

```
.border{ border-color:rgb(253, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(253, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 96.7623, 0.3416, 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(253, 255, 204) }
```

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

```
.background{ background-color: rgb(253,  
255, 204) }
```

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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