

Converting Colors

$Y_{xy}(97.0017, 0.3425, 0.3791)$

Have a look what the booklet for
Yxy(97.0017, 0.3425, 0.3791)
contains.

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Color

Yxy(96.9505, 0.3423, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	FEFFCC
RGB	254, 255, 204
RGB Percent	100%, 100%, 80%
CMY	0.0039, 0.0000, 0.1999
CMYK	0.00, 0.00, 0.20, 0.00
HSL	61°, 100%, 90%
HSV	61°, 20%, 100%
XYZ	87.5393, 96.9505, 71.2488
YIQ	248.8870, 15.7750, -16.0730

Conversions

Conversions Part 2

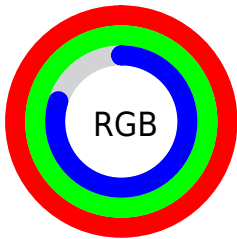
Format	Color
RYB	204, 255, 205
Decimal	16711628
CIELab	98.81, -8.39, 24.31
CIElCh	99, 25.719, 109.045
Yxy	96.9505, 0.3423, 0.3791
Android (android.graphics.Color)	4294901708 (0xFFFEFFCC)
YUV	248.8870, -22.1293, 4.4841
Hunter-Lab	98.4634, -13.6149, 26.0218

Details

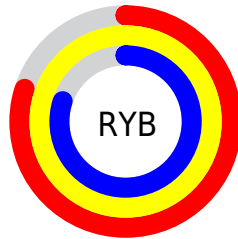
The Yxy color **96.9505, 0.3423, 0.3791** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.4062, 0.2799, 0.2737**, and the grayscale version is **94.8157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.4605, 0.3481, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **95.7364, 0.3572, 0.4044**, and if you desaturate by 10%, it is **98.3737, 0.3273, 0.3537**.

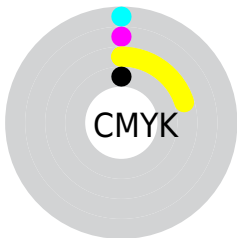
Distribution



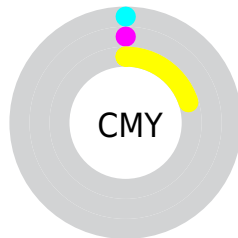
- Red (100%)
- Green (100%)
- Blue (80%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.9505, 0.3423, 0.3791 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 96.9505, 0.3423, 0.3791 by changing the saturation by 10% instead.

 96.9505, 0.3423,
0.3791

 96.9505, 0.3423,
0.3791

550.3906, 0.3295,
0.3568

 73.7594, 0.3450,
0.3840


156.9566, 0.3381,
0.3715

 54.5972, 0.3482,
0.3899


194.5404, 0.3364,
0.3685

 39.0793, 0.3521,
0.3972


237.6905, 0.3349,
0.3659

 26.8214, 0.3570,
0.4065

286.7914, 0.3335,
0.3637

 17.4391, 0.3631,
0.4186

342.2275, 0.3324,
0.3617

 10.5481, 0.3709,
0.4350

404.3831, 0.3313,

 5.7638, 0.3812,

0.3599

0.4582

473.6427, 0.3304,
0.3582

■ 2.7020, 0.3979,
0.4976

■ 0.9782, 0.4247,
0.5753

■ 96.9505, 0.3423,
0.3791

■ 96.9505, 0.3423,
0.3791

■ 95.7364, 0.3572,
0.4044

■ 98.3737, 0.3273,
0.3537

■ 94.7089, 0.3714,
0.4288

99.9998, 0.3127,
0.3290

■ 93.8617, 0.3845,
0.4513

■ 93.1832, 0.3957,
0.4708

■ 92.6605, 0.4046,
0.4864

■ 92.2788, 0.4109,
0.4978

■ 92.0205, 0.4145,
0.5047

■ 91.8568, 0.4159,
0.5080

■ 91.8566, 0.4159,
0.5080

Harmonies

Analogous

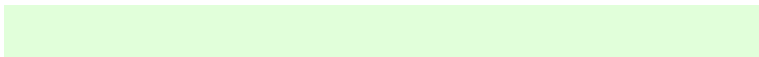
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9505, 0.3623, 0.3701



96.9505, 0.3423, 0.3791



96.9505, 0.3149, 0.3736

Triad

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



96.9505, 0.3423, 0.3791



96.9505, 0.2597, 0.3032



96.9505, 0.3370, 0.3053

Complementary

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



96.9505, 0.3423, 0.3791



63.4062, 0.2799, 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.



96.9505, 0.3085, 0.2892



96.9505, 0.3423, 0.3791



96.9505, 0.2648, 0.2871

Square

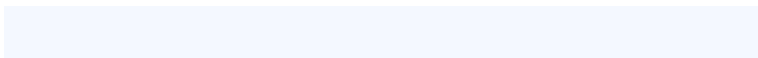
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



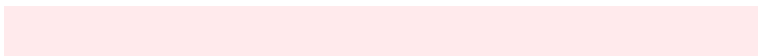
96.9505, 0.3423, 0.3791



96.9505, 0.2679, 0.3278



96.9505, 0.2823, 0.2824



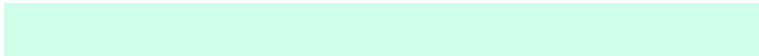
96.9505, 0.3594, 0.3275

Rectangle

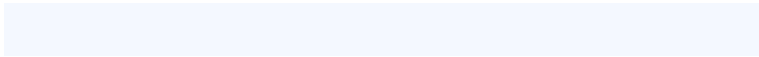
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.9505, 0.3423, 0.3791



96.9505, 0.2963, 0.3620



96.9505, 0.2823, 0.2824



96.9505, 0.3277, 0.2991

Sweetspot

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



96.9548, 0.3423, 0.3791



98.9974, 0.3214, 0.3437



69.2302, 0.3525, 0.3300



21.1672, 0.3224, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

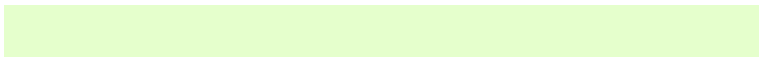
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.9548, 0.3423, 0.3791



96.4423, 0.3483, 0.3893



92.4850, 0.3256, 0.3819



21.0718, 0.3266, 0.3525



48.0053, 0.4160, 0.5079



4.6796, 0.4164, 0.5076

Inverse Universe

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



63.4062, 0.2799, 0.2737



57.3145, 0.2723, 0.2610



67.3078, 0.2974, 0.2764



17.3945, 0.2981, 0.3044



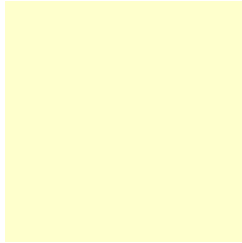
3.7965, 0.1506, 0.0603



0.3753, 0.1519, 0.0611

Previews

White Background



This preview shows how the Yxy color 96.9505, 0.3423, 0.3791 looks on a white background.

Color Contrast Check

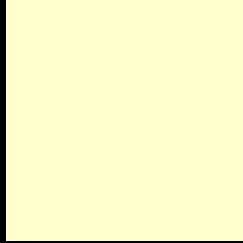
Large Text (above 18pt) WCAG AA × Fail

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 96.9505, 0.3423, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

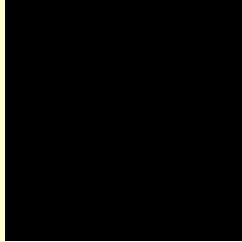
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.9505, 0.3423, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 96.9505, 0.3423, 0.3791.



This preview shows how white text looks on a background with the Yxy color 96.9505, 0.3423, 0.3791.

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

96.9505, 0.3423, 0.3791



Protanopia

96.6652, 0.3206, 0.3377

Deuteranopia

97.0317, 0.3170, 0.3319

Tritanopia

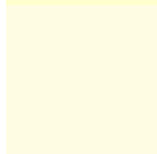
96.6620, 0.3123, 0.3242

Trichromacy



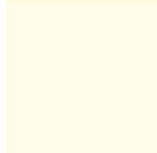
Original Color

96.9505, 0.3423, 0.3791



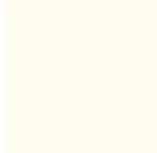
Protanomaly

96.4822, 0.3289, 0.3524



Deuteranomaly

96.7070, 0.3265, 0.3484



Tritanomaly

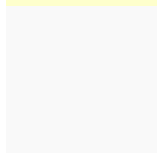
96.7478, 0.3234, 0.3445

Monochromacy



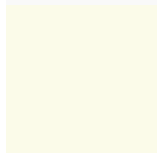
Original Color

96.9505, 0.3423, 0.3791



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.3868, 0.3234, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9505, 0.3423, 0.3791 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(254, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 96.9505, 0.3423, 0.3791 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(254, 255, 204) }
```

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

```
.border{ border-color:rgb(254, 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(254, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9505, 0.3423, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 204) }
```

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

```
.background{ background-color: rgb(254,  
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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