

Converting Colors

$Y_{xy}(100.0000, 0.3543, 0.3762)$

Have a look what the booklet for
Yxy(100.0000, 0.3543, 0.3762)
contains.

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Color

Yxy(96.5033, 0.3432, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	FFFECC
RGB	255, 254, 204
RGB Percent	100%, 100%, 80%
CMY	0.0000, 0.0040, 0.2000
CMYK	0.00, 0.00, 0.20, 0.00
HSL	59°, 100%, 90%
HSV	59°, 20%, 100%
XYZ	87.5957, 96.5033, 71.1332
YIQ	248.5990, 16.6460, -15.3380

Conversions

Conversions Part 2

Format	Color
R _Y B	205, 255, 204
Decimal	16776908
CIE Lab	98.63, -7.53, 24.10
CIE LCh	99, 25.248, 107.342
Yxy	96.5033, 0.3432, 0.3781
Android (android.graphics.Color)	4294966988 (0xFFFFFECC)
YUV	248.5990, -21.9873, 5.6137
Hunter-Lab	98.2361, -12.7473, 25.8331

Details

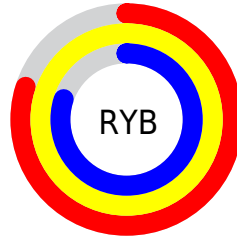
The Yxy color **96.5033, 0.3432, 0.3781** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.7224, 0.2792, 0.2747**, and the grayscale version is **94.5525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.1403, 0.3492, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **95.0517, 0.3586, 0.4029**, and if you desaturate by 10%, it is **98.1431, 0.3277, 0.3532**.

Distribution



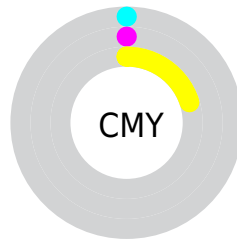
- Red (100%)
- Green (100%)
- Blue (80%)



- 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 96.5033, 0.3432, 0.3781 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 96.5033, 0.3432, 0.3781 by changing the saturation by 10% instead.

 96.5033, 0.3432,
0.3781

 96.5033, 0.3432,
0.3781

548.9665, 0.3300,
0.3563

 73.3868, 0.3460,
0.3829

156.3398, 0.3388,
0.3707

 54.2923, 0.3493,
0.3887


193.8287, 0.3370,
0.3678

 38.8354, 0.3534,
0.3958


236.8771, 0.3355,
0.3652

 26.6317, 0.3585,
0.4049

285.8695, 0.3341,
0.3630

 17.2968, 0.3648,
0.4167

341.1902, 0.3329,
0.3610

 10.4463, 0.3731,
0.4327

403.2237, 0.3319,

 5.6959, 0.3840,

0.3593

0.4554

472.3543, 0.3309,
0.3577

■ 2.6611, 0.4020,
0.4939

■ 0.9575, 0.4308,
0.5692

■ 96.5033, 0.3432,
0.3781

■ 96.5033, 0.3432,
0.3781

■ 95.0517, 0.3586,
0.4029

■ 98.1431, 0.3277,
0.3532


■ 93.7979, 0.3735,
0.4267


99.9997, 0.3127,
0.3290

■ 92.7251, 0.3873,
0.4486

100.0000, 0.3127,
0.3290

■ 91.8215, 0.3993,
0.4675

 91.0744, 0.4091,
0.4826

 90.4688, 0.4162,
0.4934

 89.9872, 0.4207,
0.4998

 89.6008, 0.4229,
0.5024

Harmonies

Analogous

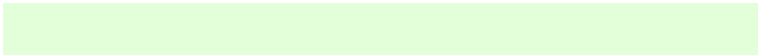
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5033, 0.3622, 0.3686



96.5033, 0.3432, 0.3781



96.5033, 0.3165, 0.3735

Triad

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



96.5033, 0.3432, 0.3781



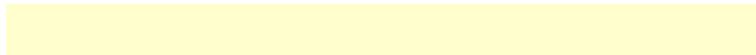
96.5033, 0.2607, 0.3048



96.5033, 0.3350, 0.3046

Complementary

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



96.5033, 0.3432, 0.3781



63.7224, 0.2792, 0.2747

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.



96.5033, 0.3070, 0.2891



96.5033, 0.3432, 0.3781



96.5033, 0.2650, 0.2884

Square

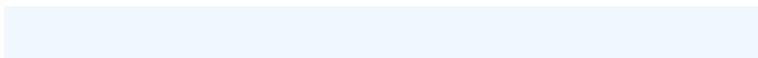
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



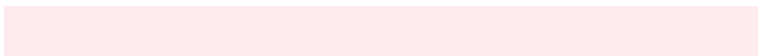
96.5033, 0.3432, 0.3781



96.5033, 0.2694, 0.3294



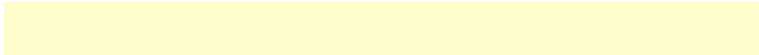
96.5033, 0.2816, 0.2831



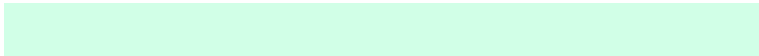
96.5033, 0.3577, 0.3262

Rectangle

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



96.5033, 0.3432, 0.3781



96.5033, 0.2981, 0.3626



96.5033, 0.2816, 0.2831



96.5033, 0.3259, 0.2986

Sweetspot

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



96.4968, 0.3432, 0.3781



98.8603, 0.3216, 0.3434



68.8854, 0.3514, 0.3274



21.1346, 0.3226, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

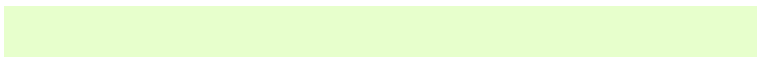
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4968, 0.3432, 0.3781



95.8954, 0.3494, 0.3881



92.9014, 0.3273, 0.3816



21.0253, 0.3270, 0.3520



46.8463, 0.4228, 0.5025



4.5802, 0.4224, 0.5028

Inverse Universe

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



63.7224, 0.2792, 0.2747



57.6984, 0.2716, 0.2622



66.8649, 0.2955, 0.2761



17.4353, 0.2978, 0.3049



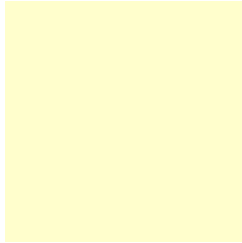
3.8548, 0.1503, 0.0612



0.3947, 0.1511, 0.0640

Previews

White Background



This preview shows how the Yxy color 96.5033, 0.3432, 0.3781 looks on a white background.

Color Contrast Check

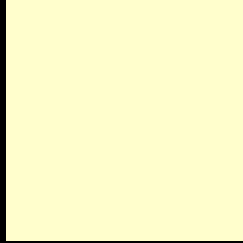
Large Text (above 18pt) WCAG AA × Fail

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 96.5033, 0.3432, 0.3781 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 96.5033, 0.3432, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 96.5033, 0.3432, 0.3781.



This preview shows how white text looks on a background with the Yxy color 96.5033, 0.3432, 0.3781.

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

96.5033, 0.3432, 0.3781



Protanopia

96.5456, 0.3218, 0.3396

Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

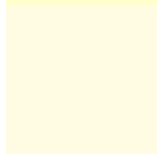
96.6620, 0.3123, 0.3242

Trichromacy



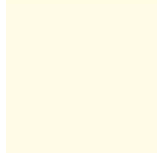
Original Color

96.5033, 0.3432, 0.3781



Protanomaly

96.4269, 0.3295, 0.3534



Deuteranomaly

96.0239, 0.3272, 0.3485



Tritanomaly

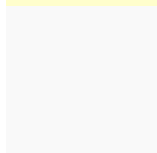
96.1213, 0.3235, 0.3436

Monochromacy



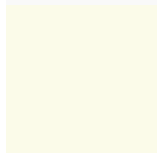
Original Color

96.5033, 0.3432, 0.3781



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 96.5033, 0.3432, 0.3781 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, 254, 204)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 96.5033, 0.3432, 0.3781 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, 254, 204) }
```

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

```
.border{ border-color:rgb(255, 254, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 204) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 96.5033, 0.3432, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
254, 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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