

Converting Colors

$Y_{xy}(100.0000, 0.3306, 0.3734)$

Have a look what the booklet for
Yxy(100.0000, 0.3306, 0.3734)
contains.

Yxy(96.4343, 0.3312, 0.3676)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(96.4343, 0.3312, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFD8
RGB	248, 255, 216
RGB Percent	97%, 100%, 85%
CMY	0.0272, 0.0001, 0.1528
CMYK	0.03, 0.00, 0.15, 0.00
HSL	71°, 100%, 92%
HSV	71°, 15%, 100%
XYZ	86.8853, 96.4343, 79.0153
YIQ	248.4610, 8.3470, -13.6130

Conversions

Conversions Part 2

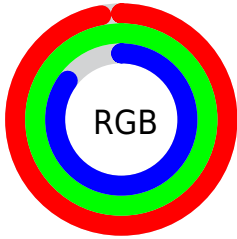
Format	Color
R _Y B	216, 255, 223
Decimal	16318424
CIE Lab	98.60, -8.73, 17.87
CIE LCh	99, 19.884, 116.033
Yxy	96.4343, 0.3312, 0.3676
Android (android.graphics.Color)	4294508504 (0xFFF8FFD8)
YUV	248.4610, -16.0033, -0.4043
Hunter-Lab	98.2010, -13.9202, 21.0343

Details

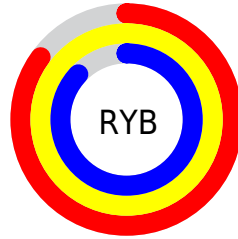
The Yxy color **96.4343, 0.3312, 0.3676** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.0226, 0.2925, 0.2884**, and the grayscale version is **94.4059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.0377, 0.3347, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **94.4019, 0.3434, 0.3941**, and if you desaturate by 10%, it is **98.6998, 0.3190, 0.3420**.

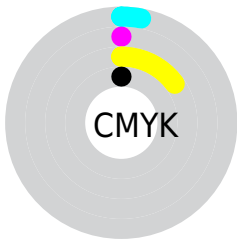
Distribution



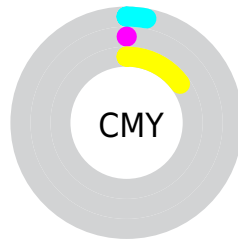
- Red (97%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.4343, 0.3312, 0.3676 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 96.4343, 0.3312, 0.3676 by changing the saturation by 10% instead.

 96.4343, 0.3312,
0.3676

 96.4343, 0.3312,
0.3676

548.7466, 0.3232,
0.3504

 73.3293, 0.3329,
0.3714

156.2447, 0.3285,
0.3617

 54.2453, 0.3349,
0.3760

193.7188, 0.3275,
0.3594

 38.7978, 0.3374,
0.3817


236.7515, 0.3265,
0.3574

 26.6025, 0.3405,
0.3890

285.7271, 0.3257,
0.3557

 17.2749, 0.3444,
0.3987

341.0301, 0.3250,
0.3541

 10.4307, 0.3495,
0.4119

403.0447, 0.3243,

 5.6854, 0.3565,

0.3527

0.4311

472.1554, 0.3238,
0.3515

■ 2.6548, 0.3659,
0.4614

■ 0.9543, 0.4205,
0.5795

■ 96.4343, 0.3312,
0.3676

■ 96.4343, 0.3312,
0.3676

■ 94.4019, 0.3434,
0.3941

■ 98.6998, 0.3190,
0.3420

■ 92.5805, 0.3551,
0.4206

99.9910, 0.3127,
0.3290

■ 90.9639, 0.3658,
0.4464

■ 89.5410, 0.3751,
0.4703

■ 88.2994, 0.3822,
0.4911

■ 87.2251, 0.3869,
0.5080

■ 86.3019, 0.3890,
0.5203

■ 85.5096, 0.3885,
0.5279

■ 85.1677, 0.3877,
0.5304

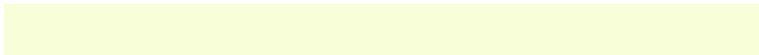
Harmonies

Analogous

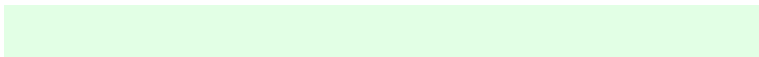
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4343, 0.3484, 0.3635



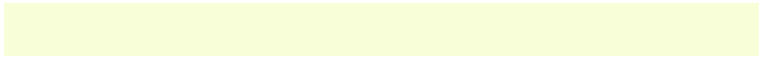
96.4343, 0.3312, 0.3676



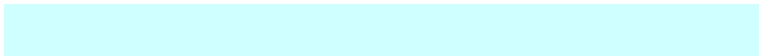
96.4343, 0.3095, 0.3605

Triad

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



96.4343, 0.3312, 0.3676



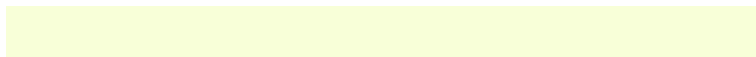
96.4343, 0.2713, 0.3056



96.4343, 0.3362, 0.3143

Complementary

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



96.4343, 0.3312, 0.3676



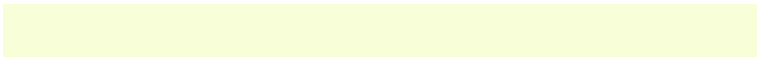
72.0226, 0.2925, 0.2884

Split Complementary

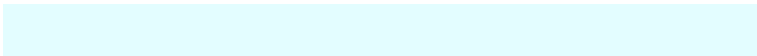
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4343, 0.3148, 0.3001



96.4343, 0.3312, 0.3676



96.4343, 0.2778, 0.2947

Square

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



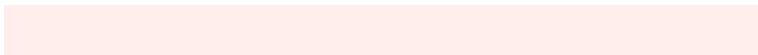
96.4343, 0.3312, 0.3676



96.4343, 0.2754, 0.3236



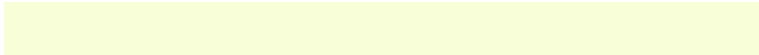
96.4343, 0.2935, 0.2930



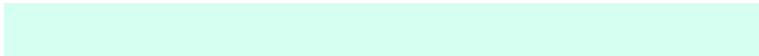
96.4343, 0.3515, 0.3324

Rectangle

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



96.4343, 0.3312, 0.3676



96.4343, 0.2954, 0.3503



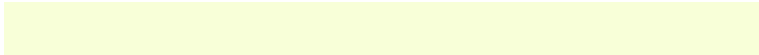
96.4343, 0.2935, 0.2930



96.4343, 0.3295, 0.3090

Sweetspot

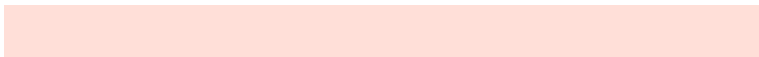
The Sweet Spot groups the original color and five complimentary colors.



96.4385, 0.3312, 0.3676



98.7788, 0.3187, 0.3413



78.7346, 0.3406, 0.3356



21.1070, 0.3195, 0.3431



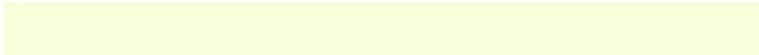
0.0000, 0.0000, 0.0000



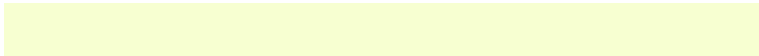
21.4041, 0.3127, 0.3290

Same Dimension

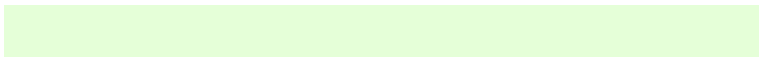
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4385, 0.3312, 0.3676



95.8747, 0.3345, 0.3747



93.1301, 0.3189, 0.3691



20.9180, 0.3241, 0.3527



44.5669, 0.3882, 0.5300



4.3801, 0.3919, 0.5270

Inverse Universe

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



72.0226, 0.2925, 0.2884



67.6605, 0.2884, 0.2805



75.2204, 0.3054, 0.2900



17.5328, 0.3006, 0.3046



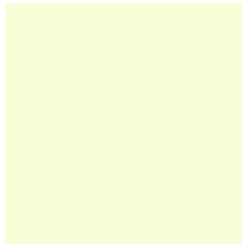
4.1122, 0.1579, 0.0644



0.4407, 0.1672, 0.0695

Previews

White Background



This preview shows how the Yxy color 96.4343, 0.3312, 0.3676 looks on a white background.

Color Contrast Check

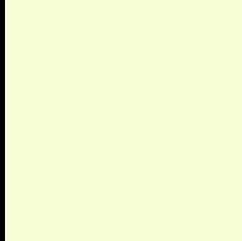
Large Text (above 18pt) WCAG AA × Fail

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 96.4343, 0.3312, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

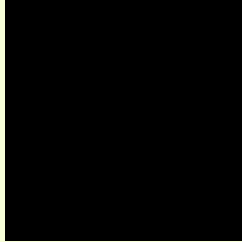
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

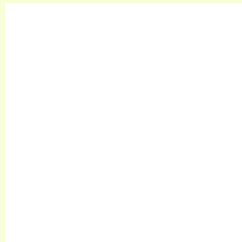
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.4343, 0.3312, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 96.4343, 0.3312, 0.3676.



This preview shows how white text looks on a background with the Yxy color 96.4343, 0.3312, 0.3676.

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

96.4343, 0.3312, 0.3676



Protanopia

96.5456, 0.3218, 0.3396

Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

96.2867, 0.3111, 0.3242

Trichromacy



Original Color

96.4343, 0.3312, 0.3676



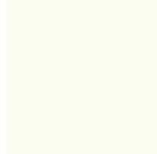
Protanomaly

96.0858, 0.3251, 0.3495



Deuteranomaly

96.3724, 0.3221, 0.3446



Tritanomaly

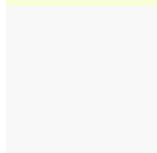
96.4809, 0.3185, 0.3397

Monochromacy



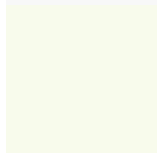
Original Color

96.4343, 0.3312, 0.3676



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

95.0069, 0.3196, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4343, 0.3312, 0.3676 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(248, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 216)  
}
```

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(248, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 96.4343, 0.3312, 0.3676 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(248, 255, 216) }
```

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

```
.border{ border-color:rgb(248, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 255, 216); box-shadow:4px 4px 4px 4px rgb(248, 255, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4343, 0.3312, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 216) }
```

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

```
.background{ background-color: rgb(248,  
255, 216) }
```

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