

Converting Colors

$Y_{xy}(236.1049, 0.3180, 0.4769)$

Have a look what the booklet for
Yxy(236.1049, 0.3180, 0.4769)
contains.

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Color

Yxy(96.9355, 0.3337, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	FBFFD7
RGB	251, 255, 215
RGB Percent	98%, 100%, 84%
CMY	0.0158, 0.0000, 0.1568
CMYK	0.02, 0.00, 0.16, 0.00
HSL	66°, 100%, 92%
HSV	66°, 16%, 100%
XYZ	87.8050, 96.9355, 78.3851
YIQ	249.2440, 10.4560, -13.2880

Conversions

Conversions Part 2

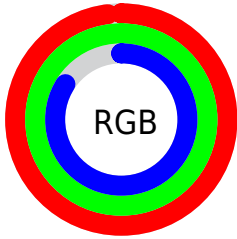
Format	Color
R_{YB}	215, 255, 219
Decimal	16515031
CIE Lab	98.80, -7.88, 18.69
CIE LCh	99, 20.279, 112.851
Yxy	96.9355, 0.3337, 0.3684
Android (android.graphics.Color)	4294705111 (0xFFFBFFD7)
YUV	249.2440, -16.8823, 1.5400
Hunter-Lab	98.4558, -13.1075, 21.7156

Details

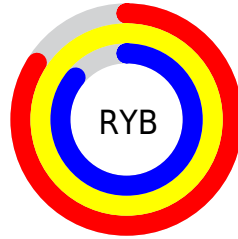
The Yxy color **96.9355, 0.3337, 0.3684** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.8982, 0.2898, 0.2870**, and the grayscale version is **95.0729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.3956, 0.3379, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **95.2486, 0.3472, 0.3944**, and if you desaturate by 10%, it is **98.8270, 0.3202, 0.3430**.

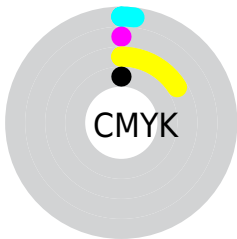
Distribution



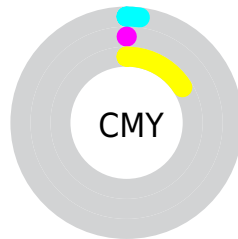
- Red (98%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (86%)



- Cyan (2%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.9355, 0.3337, 0.3684 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 96.9355, 0.3337, 0.3684 by changing the saturation by 10% instead.


 96.9355, 0.3337,
0.3684

 96.9355, 0.3337,
0.3684


550.3429, 0.3246,
0.3509

 73.7469, 0.3356,
0.3723


156.9359, 0.3307,
0.3624

 54.5869, 0.3379,
0.3769

194.5165, 0.3295,
0.3601

 39.0711, 0.3408,
0.3827


237.6632, 0.3284,
0.3580

 26.8151, 0.3443,
0.3901

286.7605, 0.3275,
0.3562

 17.4344, 0.3488,
0.3998

342.1927, 0.3266,
0.3547

 10.5447, 0.3547,
0.4131

404.3443, 0.3259,

 5.7616, 0.3626,

0.3533

0.4323

473.5995, 0.3252,
0.3520

■ 2.7006, 0.3736,
0.4621

■ 0.9775, 0.4289,
0.5711

■ 96.9355, 0.3337,
0.3684

■ 96.9355, 0.3337,
0.3684

■ 95.2486, 0.3472,
0.3944

■ 98.8270, 0.3202,
0.3430

■ 93.7661, 0.3603,
0.4201

100.0000, 0.3127,
0.3290

■ 92.4747, 0.3725,
0.4447

■ 91.3633, 0.3830,
0.4671

■ 90.4196, 0.3915,
0.4862

■ 89.6296, 0.3975,
0.5012

■ 88.9772, 0.4008,
0.5117

■ 88.4421, 0.4016,
0.5178

■ 88.2345, 0.4014,
0.5195

Harmonies

Analogous

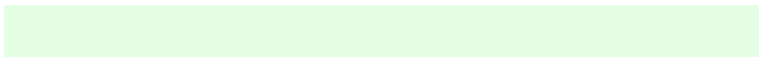
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9355, 0.3504, 0.3630



96.9355, 0.3337, 0.3684



96.9355, 0.3118, 0.3624

Triad

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



96.9355, 0.3337, 0.3684



96.9355, 0.2705, 0.3068



96.9355, 0.3345, 0.3123

Complementary

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



96.9355, 0.3337, 0.3684



70.8982, 0.2898, 0.2870

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.



96.9355, 0.3124, 0.2985



96.9355, 0.3337, 0.3684



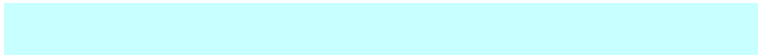
96.9355, 0.2760, 0.2948

Square

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



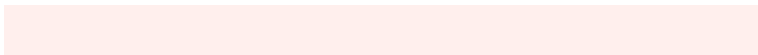
96.9355, 0.3337, 0.3684



96.9355, 0.2758, 0.3256



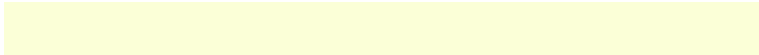
96.9355, 0.2911, 0.2921



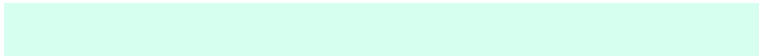
96.9355, 0.3510, 0.3304

Rectangle

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



96.9355, 0.3337, 0.3684



96.9355, 0.2973, 0.3526



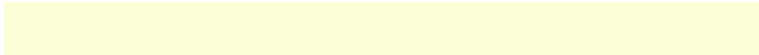
96.9355, 0.2911, 0.2921



96.9355, 0.3275, 0.3070

Sweetspot

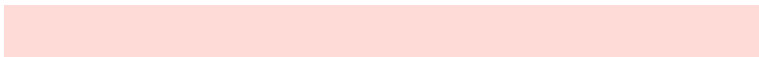
The Sweet Spot groups the original color and five complimentary colors.



96.9324, 0.3337, 0.3684



98.9633, 0.3193, 0.3413



76.8401, 0.3418, 0.3331



21.1520, 0.3202, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

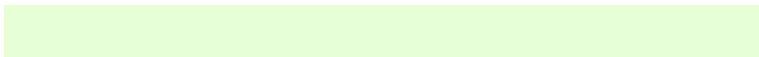
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.9324, 0.3337, 0.3684



96.3501, 0.3382, 0.3770



93.4184, 0.3208, 0.3700



20.9924, 0.3253, 0.3526



46.1422, 0.4017, 0.5192



4.5184, 0.4039, 0.5175

Inverse Universe

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



70.8982, 0.2898, 0.2870



65.5396, 0.2843, 0.2771



74.1836, 0.3034, 0.2887



17.4652, 0.2994, 0.3045



3.9135, 0.1533, 0.0618



0.4087, 0.1599, 0.0654

Previews

White Background



This preview shows how the Yxy color 96.9355, 0.3337, 0.3684 looks on a white background.

Color Contrast Check

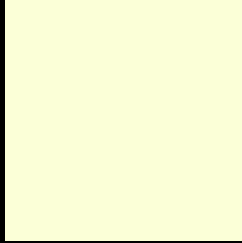
Large Text (above 18pt) WCAG AA × Fail

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 96.9355, 0.3337, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

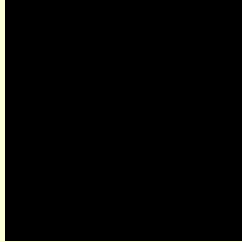
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.9355, 0.3337, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 96.9355, 0.3337, 0.3684.



This preview shows how white text looks on a background with the Yxy color 96.9355, 0.3337, 0.3684.

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

96.9355, 0.3337, 0.3684



Protanopia

96.6652, 0.3206, 0.3377

Deuteranopia

97.0939, 0.3164, 0.3309

Tritanopia

97.0970, 0.3116, 0.3252

Trichromacy



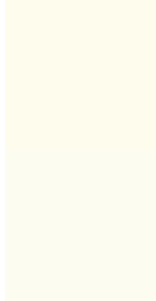
Original Color

96.9355, 0.3337, 0.3684



Protanomaly

96.5178, 0.3258, 0.3485



Deuteranomaly

96.8061, 0.3228, 0.3435

Tritanomaly

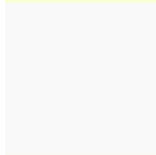
96.6075, 0.3198, 0.3407

Monochromacy



Original Color

96.9355, 0.3337, 0.3684



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.4328, 0.3203, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9355, 0.3337, 0.3684 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(251, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 215)  
}
```

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(251, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 96.9355, 0.3337, 0.3684 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(251, 255, 215) }
```

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

```
.border{ border-color:rgb(251, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9355, 0.3337, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 215) }
```

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

```
.background{ background-color: rgb(251,  
255, 215) }
```

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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