

Converting Colors

$Y_{xy}(163.8047, 0.4565, 0.3625)$

Have a look what the booklet for
Yxy(163.8047, 0.4565, 0.3625)
contains.

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Color

Yxy(97.4331, 0.3394, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFD2
RGB	255, 255, 210
RGB Percent	100%, 100%, 82%
CMY	0.0000, 0.0000, 0.1766
CMYK	0.00, 0.00, 0.18, 0.00
HSL	60°, 100%, 91%
HSV	60°, 18%, 100%
XYZ	88.6325, 97.4331, 75.0791
YIQ	249.8700, 14.4450, -13.9950

Conversions

Conversions Part 2

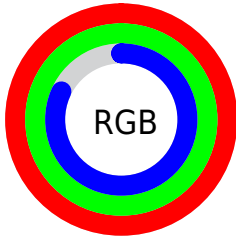
Format	Color
R_{YB}	210, 255, 210
Decimal	16777170
CIE Lab	99.00, -7.20, 21.58
CIE LCh	99, 22.750, 108.439
Yxy	97.4331, 0.3394, 0.3731
Android (android.graphics.Color)	4294967250 (0xFFFFFFFFD2)
YUV	249.8700, -19.6559, 4.4990
Hunter-Lab	98.7082, -12.4598, 23.9988

Details

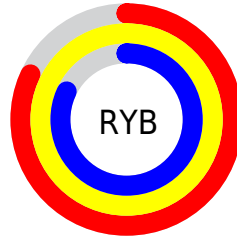
The Yxy color **97.4331, 0.3394, 0.3731** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.9880, 0.2835, 0.2807**, and the grayscale version is **95.6368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.7605, 0.3451, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **96.2599, 0.3547, 0.3984**, and if you desaturate by 10%, it is **98.8047, 0.3241, 0.3479**.

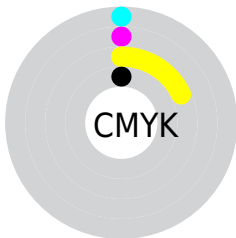
Distribution



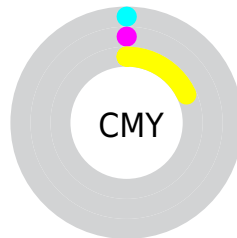
- Red (100%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.4331, 0.3394, 0.3731 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 97.4331, 0.3394, 0.3731 by changing the saturation by 10% instead.

 97.4331, 0.3394,
0.3731

 97.4331, 0.3394,
0.3731

551.9253, 0.3279,
0.3535

 74.1617, 0.3419,
0.3774


157.6218, 0.3355,
0.3665

 54.9264, 0.3448,
0.3826


195.3079, 0.3340,
0.3638

 39.3428, 0.3484,
0.3890


238.5676, 0.3327,
0.3616

 27.0265, 0.3528,
0.3971

287.7854, 0.3315,
0.3595

 17.5931, 0.3585,
0.4078

343.3457, 0.3304,
0.3578

 10.6583, 0.3659,
0.4222

405.6328, 0.3295,

 5.8375, 0.3758,

0.3562

0.4429

475.0312, 0.3286,
0.3548

■ 2.7465, 0.3899,
0.4750

■ 1.0009, 0.4352,
0.5648

■ 97.4331, 0.3394,
0.3731

■ 97.4331, 0.3394,
0.3731

■ 96.2599, 0.3547,
0.3984

■ 98.8047, 0.3241,
0.3479

■ 95.2818, 0.3695,
0.4229

100.0000, 0.3127,
0.3290

■ 94.4861, 0.3832,
0.4456

■ 93.8618, 0.3952,
0.4654

■ 93.3962, 0.4051,
0.4817

■ 93.0750, 0.4123,
0.4936

■ 92.8814, 0.4169,
0.5012

■ 92.7931, 0.4190,
0.5047

■ 92.7800, 0.4193,
0.5053

Harmonies

Analogous

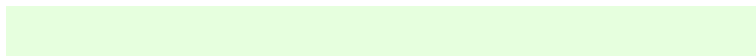
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.4331, 0.3568, 0.3652



97.4331, 0.3394, 0.3731



97.4331, 0.3153, 0.3684

Triad

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



97.4331, 0.3394, 0.3731



97.4331, 0.2657, 0.3067



97.4331, 0.3337, 0.3077

Complementary

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



97.4331, 0.3394, 0.3731



66.9880, 0.2835, 0.2807

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.



97.4331, 0.3086, 0.2934



97.4331, 0.3394, 0.3731



97.4331, 0.2701, 0.2921

Square

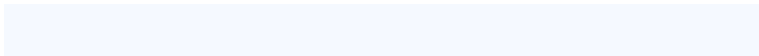
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



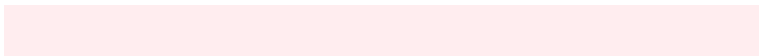
97.4331, 0.3394, 0.3731



97.4331, 0.2733, 0.3286



97.4331, 0.2854, 0.2876



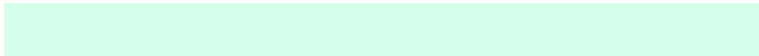
97.4331, 0.3536, 0.3274

Rectangle

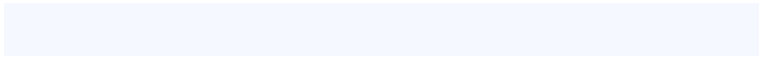
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.4331, 0.3394, 0.3731



97.4331, 0.2988, 0.3583



97.4331, 0.2854, 0.2876



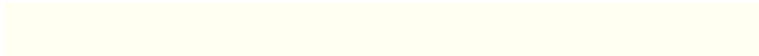
97.4331, 0.3255, 0.3021

Sweetspot

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



97.4311, 0.3394, 0.3731



99.2058, 0.3201, 0.3412



71.9836, 0.3470, 0.3291



21.2112, 0.3212, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

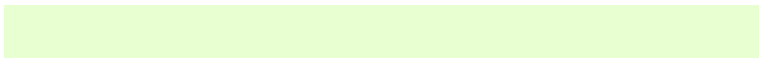
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.4311, 0.3394, 0.3731



97.0183, 0.3445, 0.3816



93.4072, 0.3247, 0.3752



21.0908, 0.3269, 0.3525



48.4795, 0.4193, 0.5053



4.7203, 0.4193, 0.5053

Inverse Universe

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



66.9880, 0.2835, 0.2807



61.6834, 0.2773, 0.2704



70.5286, 0.2989, 0.2829



17.3778, 0.2978, 0.3044



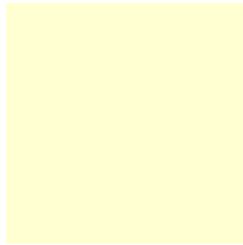
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 97.4331, 0.3394, 0.3731 looks on a white background.

Color Contrast Check

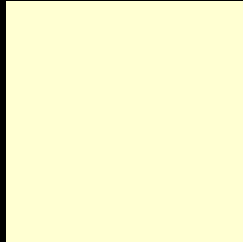
Large Text (above 18pt) WCAG AA × Fail

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 97.4331, 0.3394, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

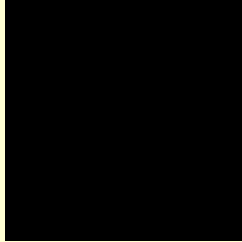
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.4331, 0.3394, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 97.4331, 0.3394, 0.3731.



This preview shows how white text looks on a background with the Yxy color 97.4331, 0.3394, 0.3731.

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

97.4331, 0.3394, 0.3731



Protanopia

97.4125, 0.3193, 0.3367

Deuteranopia

97.1565, 0.3158, 0.3300

Tritanopia

97.2852, 0.3123, 0.3252

Trichromacy



Original Color

97.4331, 0.3394, 0.3731



Protanomaly

97.3368, 0.3264, 0.3494

Deuteranomaly

96.8790, 0.3247, 0.3455

Tritanomaly

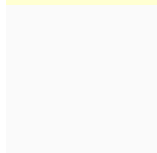
96.9236, 0.3216, 0.3416

Monochromacy



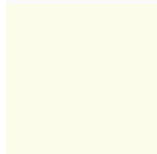
Original Color

97.4331, 0.3394, 0.3731



Achromatopsia

95.5973, 0.3127, 0.3290



Achromatomaly

96.3144, 0.3227, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.4331, 0.3394, 0.3731 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, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 210)  
}
```

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, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 97.4331, 0.3394, 0.3731 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, 255, 210) }
```

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

```
.border{ border-color:rgb(255, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 97.4331, 0.3394, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 210) }
```

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

```
.background{ background-color: rgb(255,  
255, 210) }
```

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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