

Converting Colors

$Y_{xy}(100.0000, 0.3334, 0.3710)$

Have a look what the booklet for
Yxy(100.0000, 0.3334, 0.3710)
contains.

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Color

Yxy(97.1733, 0.3338, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	FCFFD8
RGB	252, 255, 216
RGB Percent	99%, 100%, 85%
CMY	0.0116, 0.0000, 0.1529
CMYK	0.01, 0.00, 0.15, 0.00
HSL	65°, 100%, 92%
HSV	65°, 15%, 100%
XYZ	88.3105, 97.1733, 79.0773
YIQ	249.6570, 10.7310, -12.7650

Conversions

Conversions Part 2

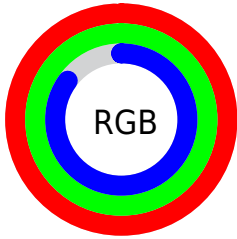
Format	Color
R_{YB}	216, 255, 219
Decimal	16580568
CIE _{Lab}	98.90, -7.35, 18.32
CIE _{LCh}	99, 19.741, 111.849
Y _{xy}	97.1733, 0.3338, 0.3673
Android (android.graphics.Color)	4294770648 (0xFFFCFFD8)
YUV	249.6570, -16.5929, 2.0548
Hunter-Lab	98.5765, -12.5984, 21.4416

Details

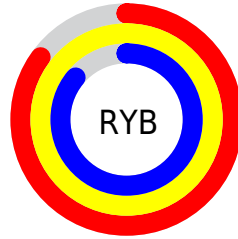
The Yxy color **97.1733, 0.3338, 0.3673** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.3960, 0.2898, 0.2881**, and the grayscale version is **95.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.5635, 0.3380, 0.3754** is the 20% darker color. If you saturate the color by 10%, you get **95.5996, 0.3478, 0.3931**, and if you desaturate by 10%, it is **98.9639, 0.3199, 0.3420**.

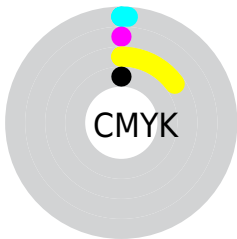
Distribution



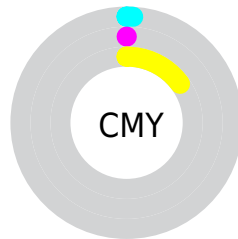
- Red (99%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (86%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 97.1733, 0.3338, 0.3673 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 97.1733, 0.3338, 0.3673 by changing the saturation by 10% instead.

97.1733, 0.3338,
0.3673

97.1733, 0.3338,
0.3673

551.0994, 0.3247,
0.3503

73.9451, 0.3357,
0.3710

157.2637, 0.3307,
0.3615

54.7491, 0.3381,
0.3756

194.8947, 0.3295,
0.3592

39.2009, 0.3409,
0.3812

238.0955, 0.3285,
0.3572

26.9161, 0.3445,
0.3883

287.2504, 0.3275,
0.3555

17.5102, 0.3490,
0.3977

342.7439, 0.3267,
0.3540

10.5989, 0.3550,
0.4106

404.9603, 0.3260,

5.7978, 0.3631,

0.3526

0.4291

474.2840, 0.3253,
0.3514

■ 2.7225, 0.3745,
0.4578

■ 0.9887, 0.4336,
0.5664

■ 97.1733, 0.3338,
0.3673

■ 97.1733, 0.3338,
0.3673

■ 95.5996, 0.3478,
0.3931


■ 98.9639, 0.3199,
0.3420

■ 94.2206, 0.3614,
0.4187


99.9967, 0.3127,
0.3290


■ 93.0303, 0.3740,
0.4430


■ 92.0177, 0.3851,
0.4650

 91.1706, 0.3941,
0.4837

 90.4751, 0.4006,
0.4984

 89.9152, 0.4045,
0.5085

 89.4707, 0.4058,
0.5143

 89.2879, 0.4058,
0.5160

Harmonies

Analogous

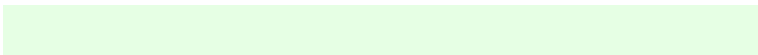
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.1733, 0.3497, 0.3618



97.1733, 0.3338, 0.3673



97.1733, 0.3126, 0.3618

Triad

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



97.1733, 0.3338, 0.3673



97.1733, 0.2716, 0.3079



97.1733, 0.3333, 0.3122

Complementary

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



97.1733, 0.3338, 0.3673



71.3960, 0.2898, 0.2881

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.



97.1733, 0.3117, 0.2989



97.1733, 0.3338, 0.3673



97.1733, 0.2766, 0.2960

Square

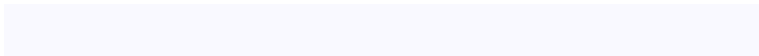
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



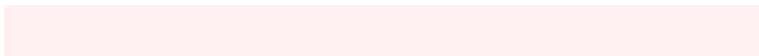
97.1733, 0.3338, 0.3673



97.1733, 0.2771, 0.3264



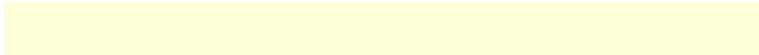
97.1733, 0.2910, 0.2930



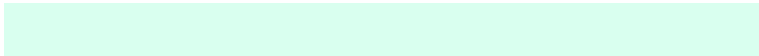
97.1733, 0.3496, 0.3298

Rectangle

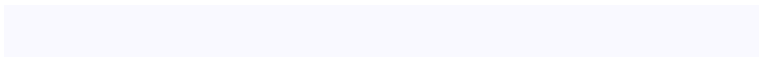
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.1733, 0.3338, 0.3673



97.1733, 0.2984, 0.3525



97.1733, 0.2910, 0.2930



97.1733, 0.3264, 0.3071

Sweetspot

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



97.1776, 0.3338, 0.3673



99.0227, 0.3195, 0.3413



76.6801, 0.3412, 0.3317



21.1665, 0.3205, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

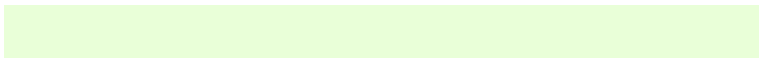
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.1776, 0.3338, 0.3673



96.7336, 0.3376, 0.3743



93.7834, 0.3214, 0.3688



21.0165, 0.3257, 0.3526



46.6866, 0.4061, 0.5158



4.5657, 0.4077, 0.5145

Inverse Universe

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



71.3960, 0.2898, 0.2881



66.9540, 0.2852, 0.2800



74.5350, 0.3027, 0.2897



17.4436, 0.2990, 0.3045



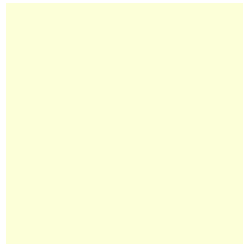
3.8702, 0.1523, 0.0613



0.3986, 0.1575, 0.0641

Previews

White Background



This preview shows how the Yxy color 97.1733, 0.3338, 0.3673 looks on a white background.

Color Contrast Check

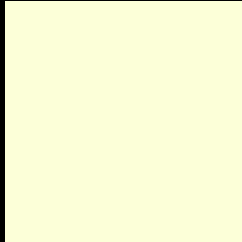
Large Text (above 18pt) WCAG AA × Fail

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 97.1733, 0.3338, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

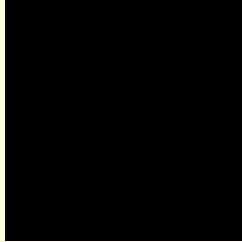
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.1733, 0.3338, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 97.1733, 0.3338, 0.3673.

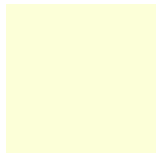


This preview shows how white text looks on a background with the Yxy color 97.1733, 0.3338, 0.3673.

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

97.1733, 0.3338, 0.3673



Protanopia

97.3519, 0.3199, 0.3377

Deuteranopia

97.0939, 0.3164, 0.3309

Tritanopia

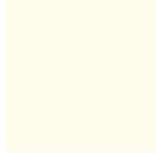
97.0970, 0.3116, 0.3252

Trichromacy



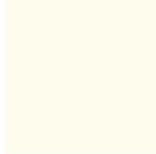
Original Color

97.1733, 0.3338, 0.3673



Protanomaly

97.2046, 0.3251, 0.3484



Deuteranomaly

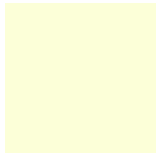
96.8061, 0.3228, 0.3435



Tritanomaly

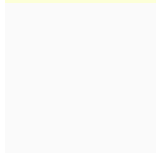
96.8543, 0.3198, 0.3397

Monochromacy



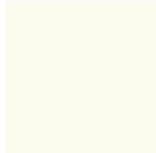
Original Color

97.1733, 0.3338, 0.3673



Achromatopsia

95.5973, 0.3127, 0.3290



Achromatomaly

96.3031, 0.3203, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.1733, 0.3338, 0.3673 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(252, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 97.1733, 0.3338, 0.3673 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(252, 255, 216) }
```

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

```
.border{ border-color:rgb(252, 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(252, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 97.1733, 0.3338, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 216) }
```

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

```
.background{ background-color: rgb(252,  
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](#).

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