

Converting Colors

$Y_{xy}(186.1579, 0.3549, 0.4307)$

Have a look what the booklet for
Yxy(186.1579, 0.3549, 0.4307)
contains.

Yxy(97.7379, 0.3358, 0.3671)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(97.7379, 0.3358, 0.3671)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFD8
RGB	255, 255, 216
RGB Percent	100%, 100%, 85%
CMY	0.0000, 0.0000, 0.1530
CMYK	0.00, 0.00, 0.15, 0.00
HSL	60°, 100%, 92%
HSV	60°, 15%, 100%
XYZ	89.4045, 97.7379, 79.1009
YIQ	250.5540, 12.5190, -12.1290

Conversions

Conversions Part 2

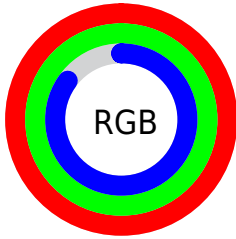
Format	Color
R _Y B	216, 255, 216
Decimal	16777176
CIE Lab	99.12, -6.30, 18.69
CIE LCh	99, 19.721, 108.623
Yxy	97.7379, 0.3358, 0.3671
Android (android.graphics.Color)	4294967256 (0xFFFFFFFFD8)
YUV	250.5540, -17.0351, 3.8991
Hunter-Lab	98.8625, -11.5861, 21.7652

Details

The Yxy color **97.7379, 0.3358, 0.3671** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.9169, 0.2878, 0.2878**, and the grayscale version is **96.2105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.9671, 0.3405, 0.3750** is the 20% darker color. If you saturate the color by 10%, you get **96.5131, 0.3511, 0.3925**, and if you desaturate by 10%, it is **99.1582, 0.3206, 0.3420**.

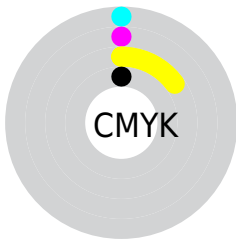
Distribution



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



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.7379, 0.3358, 0.3671 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 97.7379, 0.3358, 0.3671 by changing the saturation by 10% instead.

 97.7379, 0.3358,
0.3671

 97.7379, 0.3358,
0.3671

552.8934, 0.3258,
0.3502

 74.4158, 0.3379,
0.3708

158.0418, 0.3325,
0.3614

 55.1344, 0.3405,
0.3753


195.7923, 0.3311,
0.3591

 39.5094, 0.3436,
0.3808


239.1212, 0.3299,
0.3571

 27.1562, 0.3475,
0.3879

288.4127, 0.3289,
0.3554

 17.6906, 0.3526,
0.3971

344.0513, 0.3280,
0.3539

 10.7281, 0.3592,
0.4096

406.4213, 0.3272,

 5.8843, 0.3682,

0.3525

0.4276

475.9073, 0.3265,
0.3513

■ 2.7748, 0.3809,
0.4553

■ 1.0153, 0.4425,
0.5575

■ 97.7379, 0.3358,
0.3671

■ 97.7379, 0.3358,
0.3671

■ 96.5131, 0.3511,
0.3925

■ 99.1582, 0.3206,
0.3420

■ 95.4882, 0.3661,
0.4172

100.0000, 0.3127,
0.3290

■ 94.6483, 0.3801,
0.4404

■ 93.9825, 0.3926,
0.4610

■ 93.4785, 0.4030,
0.4782

■ 93.1225, 0.4108,
0.4912

■ 92.8984, 0.4160,
0.4998

■ 92.7861, 0.4187,
0.5042

■ 92.7587, 0.4193,
0.5052

Harmonies

Analogous

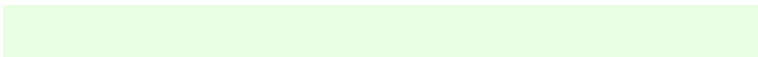
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.7379, 0.3508, 0.3605



97.7379, 0.3358, 0.3671



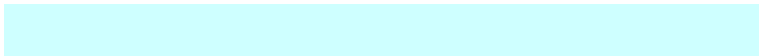
97.7379, 0.3149, 0.3628

Triad

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



97.7379, 0.3358, 0.3671



97.7379, 0.2718, 0.3097



97.7379, 0.3310, 0.3106

Complementary

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



97.7379, 0.3358, 0.3671



70.9169, 0.2878, 0.2878

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.



97.7379, 0.3093, 0.2980



97.7379, 0.3358, 0.3671



97.7379, 0.2757, 0.2970

Square

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



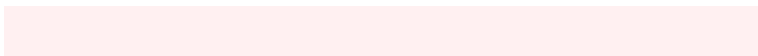
97.7379, 0.3358, 0.3671



97.7379, 0.2784, 0.3286



97.7379, 0.2892, 0.2930



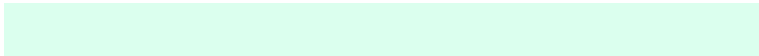
97.7379, 0.3481, 0.3278

Rectangle

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



97.7379, 0.3358, 0.3671



97.7379, 0.3006, 0.3542



97.7379, 0.2892, 0.2930



97.7379, 0.3240, 0.3057

Sweetspot

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



97.7333, 0.3358, 0.3671



99.2048, 0.3201, 0.3412



75.3494, 0.3411, 0.3284



21.2109, 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.



97.7333, 0.3358, 0.3671



97.3846, 0.3399, 0.3739



94.3331, 0.3235, 0.3686



21.0904, 0.3269, 0.3525



48.4686, 0.4193, 0.5052



4.7193, 0.4193, 0.5052

Inverse Universe

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



70.9169, 0.2878, 0.2878



66.4429, 0.2829, 0.2797



73.9536, 0.3005, 0.2893



17.3782, 0.2978, 0.3044



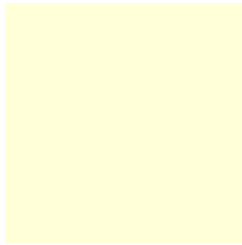
3.7732, 0.1500, 0.0600



0.3675, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 97.7379, 0.3358, 0.3671 looks on a white background.

Color Contrast Check

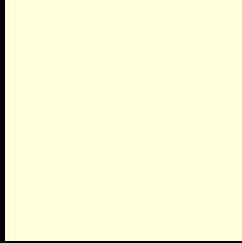
Large Text (above 18pt) WCAG AA × Fail

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 97.7379, 0.3358, 0.3671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

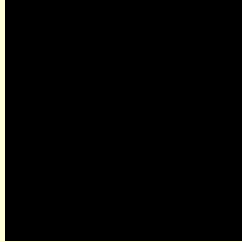
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.7379, 0.3358, 0.3671

Background



This preview shows how black text looks on a background with the Yxy color 97.7379, 0.3358, 0.3671.

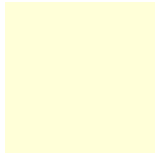


This preview shows how white text looks on a background with the Yxy color 97.7379, 0.3358, 0.3671.

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

97.7379, 0.3358, 0.3671



Protanopia

97.5346, 0.3181, 0.3348

Deuteranopia

97.7829, 0.3158, 0.3309

Tritanopia

97.9116, 0.3122, 0.3261

Trichromacy



Original Color

97.7379, 0.3358, 0.3671



Protanomaly

97.5087, 0.3246, 0.3464

Deuteranomaly

97.6836, 0.3228, 0.3435

Tritanomaly

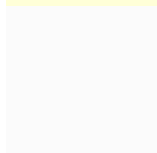
97.6723, 0.3204, 0.3406

Monochromacy



Original Color

97.7379, 0.3358, 0.3671



Achromatopsia

96.4686, 0.3127, 0.3290



Achromatomaly

96.4893, 0.3209, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.7379, 0.3358, 0.3671 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, 216)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 97.7379, 0.3358, 0.3671 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, 216) }
```

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

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

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


Background

The CSS property to change the background color of an element to Yxy 97.7379, 0.3358, 0.3671 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, 216) }
```

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

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