

Converting Colors

$Y_{xy}(108.2286, 0.3580, 0.3705)$

Have a look what the booklet for
Yxy(108.2286, 0.3580, 0.3705)
contains.

Yxy(97.6350, 0.3370, 0.3691)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(97.6350, 0.3370, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFD6
RGB	255, 255, 214
RGB Percent	100%, 100%, 84%
CMY	0.0000, 0.0000, 0.1609
CMYK	0.00, 0.00, 0.16, 0.00
HSL	60°, 100%, 92%
HSV	60°, 16%, 100%
XYZ	89.1438, 97.6350, 77.7430
YIQ	250.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

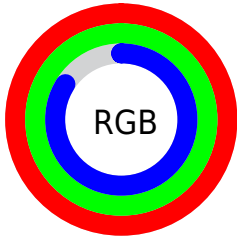
Format	Color
RYB	214, 255, 214
Decimal	16777174
CIELab	99.08, -6.60, 19.65
CIELCh	99, 20.732, 108.563
Yxy	97.6350, 0.3370, 0.3691
Android (android.graphics.Color)	4294967254 (0xFFFFFD6)
YUV	250.3260, -17.9087, 4.0991
Hunter-Lab	98.8104, -11.8808, 22.5186

Details

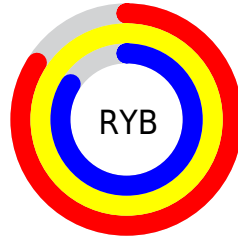
The Yxy color **97.6350, 0.3370, 0.3691** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.5894, 0.2864, 0.2855**, and the grayscale version is **96.0199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.8971, 0.3421, 0.3775** is the 20% darker color. If you saturate the color by 10%, you get **96.4294, 0.3523, 0.3944**, and if you desaturate by 10%, it is **99.0393, 0.3218, 0.3440**.

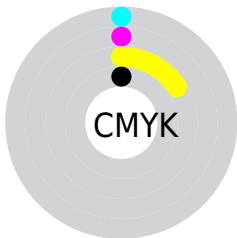
Distribution



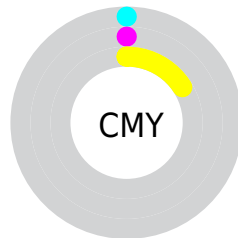
- Red (100%)
- Green (100%)
- Blue (84%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.6350, 0.3370, 0.3691 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 97.6350, 0.3370, 0.3691 by changing the saturation by 10% instead.

 97.6350, 0.3370,
0.3691

 97.6350, 0.3370,
0.3691


552.5667, 0.3265,
0.3513

 74.3300, 0.3392,
0.3730


157.9000, 0.3335,
0.3631

 55.0642, 0.3419,
0.3777

195.6288, 0.3321,
0.3607

 39.4531, 0.3452,
0.3835

238.9343, 0.3309,
0.3586

 27.1124, 0.3493,
0.3910

288.2010, 0.3298,
0.3568

 17.6577, 0.3545,
0.4006

343.8131, 0.3288,
0.3552

 10.7045, 0.3614,
0.4138

406.1552, 0.3280,

 5.8685, 0.3708,

0.3537

0.4327

475.6116, 0.3272,
0.3525

■ 2.7653, 0.3838,
0.4617

■ 1.0105, 0.4401,
0.5599

■ 97.6350, 0.3370,
0.3691

■ 97.6350, 0.3370,
0.3691

■ 96.4294, 0.3523,
0.3944


■ 99.0393, 0.3218,
0.3440


■ 95.4210, 0.3672,
0.4191


100.0000, 0.3127,
0.3290

■ 94.5967, 0.3812,
0.4421


■ 93.9456, 0.3935,
0.4625

 93.4553, 0.4037,
0.4794

 93.1118, 0.4113,
0.4921

 92.8988, 0.4163,
0.5003

 92.7958, 0.4188,
0.5044

 92.7737, 0.4193,
0.5052

Harmonies

Analogous

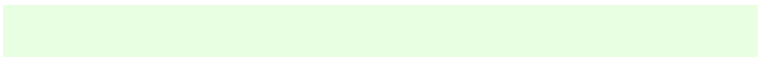
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.6350, 0.3528, 0.3621



97.6350, 0.3370, 0.3691



97.6350, 0.3150, 0.3647

Triad

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



97.6350, 0.3370, 0.3691



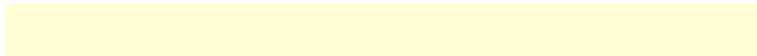
97.6350, 0.2698, 0.3087



97.6350, 0.3319, 0.3096

Complementary

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



97.6350, 0.3370, 0.3691



69.5894, 0.2864, 0.2855

Split Complementary

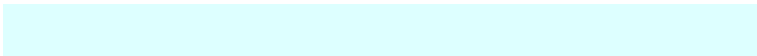
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6350, 0.3091, 0.2964



97.6350, 0.3370, 0.3691



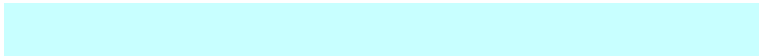
97.6350, 0.2738, 0.2953

Square

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



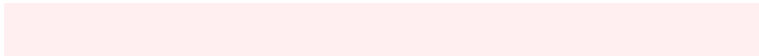
97.6350, 0.3370, 0.3691



97.6350, 0.2767, 0.3286



97.6350, 0.2879, 0.2912



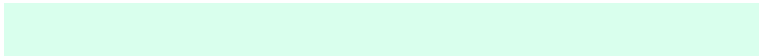
97.6350, 0.3500, 0.3277

Rectangle

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



97.6350, 0.3370, 0.3691



97.6350, 0.3000, 0.3555



97.6350, 0.2879, 0.2912



97.6350, 0.3245, 0.3045

Sweetspot

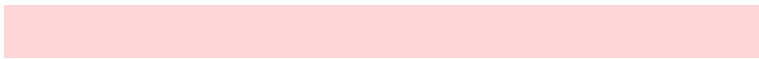
The Sweet Spot groups the original color and five complimentary colors.



97.6324, 0.3370, 0.3691



99.2055, 0.3201, 0.3412



74.2257, 0.3429, 0.3284



21.2111, 0.3212, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

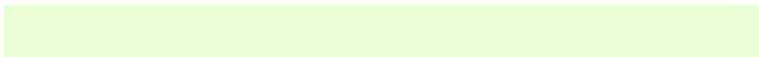
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.6324, 0.3370, 0.3691



97.2618, 0.3414, 0.3765



94.0642, 0.3241, 0.3708



21.0907, 0.3269, 0.3525



48.4763, 0.4193, 0.5052



4.7200, 0.4193, 0.5053

Inverse Universe

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



69.5894, 0.2864, 0.2855



64.8295, 0.2810, 0.2766



72.7559, 0.2998, 0.2872



17.3779, 0.2978, 0.3044



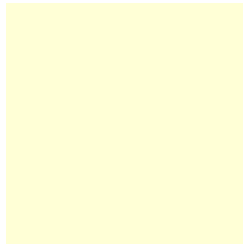
3.7728, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 97.6350, 0.3370, 0.3691 looks on a white background.

Color Contrast Check

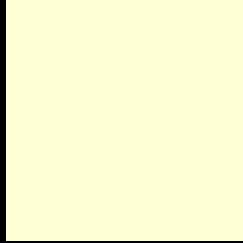
Large Text (above 18pt) WCAG AA × Fail

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 97.6350, 0.3370, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

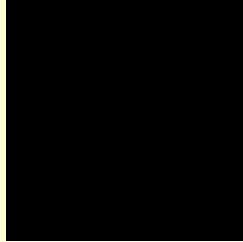
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.6350, 0.3370, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 97.6350, 0.3370, 0.3691.



This preview shows how white text looks on a background with the Yxy color 97.6350, 0.3370, 0.3691.

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

97.6350, 0.3370, 0.3691



Protanopia

97.4734, 0.3187, 0.3357

Deuteranopia

97.7829, 0.3158, 0.3309

Tritanopia

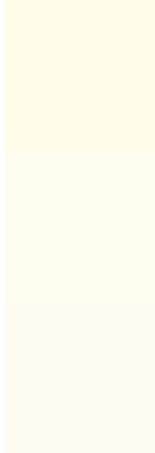
97.2852, 0.3123, 0.3252

Trichromacy



Original Color

97.6350, 0.3370, 0.3691



Protanomaly

97.4511, 0.3252, 0.3474

Deuteranomaly

97.6250, 0.3234, 0.3445

Tritanomaly

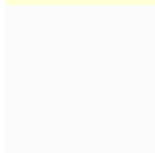
96.9829, 0.3210, 0.3406

Monochromacy



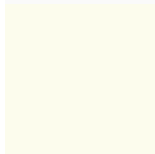
Original Color

97.6350, 0.3370, 0.3691



Achromatopsia

95.5973, 0.3127, 0.3290



Achromatomaly

96.4307, 0.3215, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.6350, 0.3370, 0.3691 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 97.6350, 0.3370, 0.3691 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, 214) }
```

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

```
.border{ border-color:rgb(255, 255, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 97.6350, 0.3370, 0.3691 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
255, 214) }
```

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