

Converting Colors

$Y_{xy}(153.8259, 0.4411, 0.3629)$

Have a look what the booklet for
Yxy(153.8259, 0.4411, 0.3629)
contains.

| | |
|---|----|
| Yxy(97.5841, 0.3376, 0.3701) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(97.5841, 0.3376, 0.3701)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFFD5 |
| RGB | 255, 255, 213 |
| RGB Percent | 100%, 100%, 84% |
| CMY | 0.0000, 0.0000, 0.1648 |
| CMYK | 0.00, 0.00, 0.16, 0.00 |
| HSL | 60°, 100%, 92% |
| HSV | 60°, 16%, 100% |
| XYZ | 89.0148, 97.5841, 77.0706 |
| YIQ | 250.2120, 13.4820, -13.0620 |

Conversions

Conversions Part 2

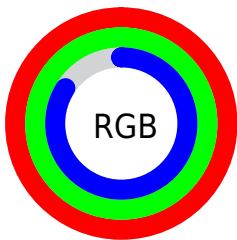
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 213, 255, 213 |
| Decimal | 16777173 |
| CIE _{Lab} | 99.06, -6.75, 20.14 |
| CIE _{LCh} | 99, 21.237, 108.533 |
| Yxy | 97.5841, 0.3376, 0.3701 |
| Android (android.graphics.Color) | 4294967253 (0xFFFFFFFFD5) |
| YUV | 250.2120, -18.3455, 4.1991 |
| Hunter-Lab | 98.7847, -12.0269, 22.8919 |

Details

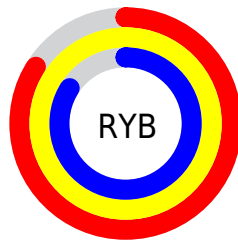
The Yxy color **97.5841, 0.3376, 0.3701** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.9322, 0.2857, 0.2843**, and the grayscale version is **95.9246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.8626, 0.3428, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **96.3878, 0.3529, 0.3954**, and if you desaturate by 10%, it is **98.9805, 0.3223, 0.3449**.

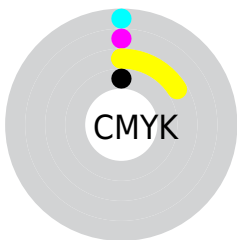
Distribution



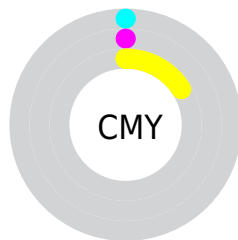
- Red (100%)
- Green (100%)
- Blue (84%)



- 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 97.5841, 0.3376, 0.3701 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 97.5841, 0.3376, 0.3701 by changing the saturation by 10% instead.

 97.5841, 0.3376,
0.3701

 97.5841, 0.3376,
0.3701


552.4050, 0.3268,
0.3519

 74.2876, 0.3399,
0.3741

157.8299, 0.3340,
0.3639

 55.0294, 0.3426,
0.3789


195.5479, 0.3326,
0.3615

 39.4253, 0.3460,
0.3849


238.8419, 0.3313,
0.3593

 27.0907, 0.3502,
0.3925

288.0962, 0.3302,
0.3575

 17.6414, 0.3555,
0.4024

343.6953, 0.3292,
0.3558

 10.6928, 0.3626,
0.4159

406.0235, 0.3283,

 5.8607, 0.3721,

0.3544

0.4353

475.4653, 0.3275,
0.3530

■ 2.7606, 0.3853,
0.4649

■ 1.0080, 0.4389,
0.5611

■ 97.5841, 0.3376,
0.3701

■ 97.5841, 0.3376,
0.3701

■ 96.3878, 0.3529,
0.3954


■ 98.9805, 0.3223,
0.3449


■ 95.3874, 0.3678,
0.4201

100.0000, 0.3127,
0.3290


■ 94.5708, 0.3817,
0.4430


■ 93.9269, 0.3939,
0.4633

 93.4433, 0.4040,
0.4800

 93.1059, 0.4116,
0.4925

 92.8982, 0.4165,
0.5005

 92.7996, 0.4188,
0.5045

 92.7800, 0.4193,
0.5053

Harmonies

Analogous

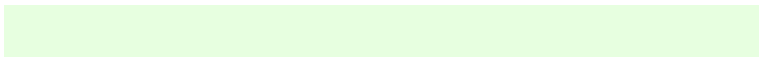
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.5841, 0.3538, 0.3629



97.5841, 0.3376, 0.3701



97.5841, 0.3151, 0.3656

Triad

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



97.5841, 0.3376, 0.3701



97.5841, 0.2687, 0.3082



97.5841, 0.3324, 0.3091

Complementary

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



97.5841, 0.3376, 0.3701



68.9322, 0.2857, 0.2843

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.



97.5841, 0.3090, 0.2957



97.5841, 0.3376, 0.3701



97.5841, 0.2729, 0.2945

Square

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



97.5841, 0.3376, 0.3701



97.5841, 0.2758, 0.3286



97.5841, 0.2873, 0.2903



97.5841, 0.3509, 0.3276

Rectangle

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



97.5841, 0.3376, 0.3701



97.5841, 0.2997, 0.3562



97.5841, 0.2873, 0.2903



97.5841, 0.3248, 0.3039

Sweetspot

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



97.5824, 0.3376, 0.3701



99.2058, 0.3201, 0.3412



73.6336, 0.3443, 0.3291



21.2112, 0.3212, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

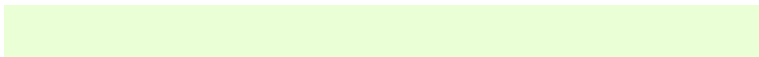
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.5824, 0.3376, 0.3701



97.1396, 0.3430, 0.3790



93.8119, 0.3239, 0.3719



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.



68.9322, 0.2857, 0.2843



63.2431, 0.2792, 0.2735



72.2808, 0.2999, 0.2861



17.3778, 0.2978, 0.3044



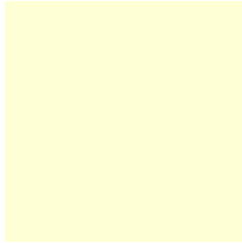
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 97.5841, 0.3376, 0.3701 looks on a white background.

Color Contrast Check

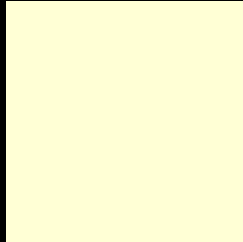
Large Text (above 18pt) WCAG AA × Fail

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 97.5841, 0.3376, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

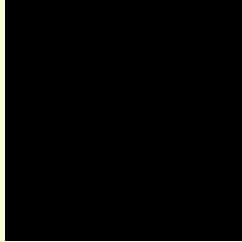
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.5841, 0.3376, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 97.5841, 0.3376, 0.3701.



This preview shows how white text looks on a background with the Yxy color 97.5841, 0.3376, 0.3701.

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

97.5841, 0.3376, 0.3701



Protanopia

97.4734, 0.3187, 0.3357

Deuteranopia

97.7829, 0.3158, 0.3309

Tritanopia

97.2852, 0.3123, 0.3252

Trichromacy



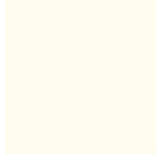
Original Color

97.5841, 0.3376, 0.3701



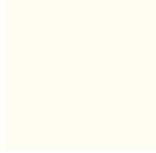
Protanomaly

97.3938, 0.3258, 0.3484



Deuteranomaly

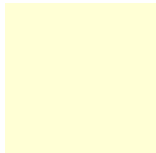
97.6250, 0.3234, 0.3445



Tritanomaly

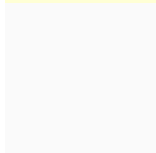
96.9829, 0.3210, 0.3406

Monochromacy



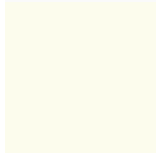
Original Color

97.5841, 0.3376, 0.3701



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 97.5841, 0.3376, 0.3701 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 97.5841, 0.3376, 0.3701 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, 213) }
```

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

```
.border{ border-color:rgb(255, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 97.5841, 0.3376, 0.3701 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
255, 213) }
```

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