

# Converting Colors

$Y_{xy}(100.0000, 0.3361, 0.3529)$

Have a look what the booklet for  
Yxy(100.0000, 0.3361, 0.3529)  
contains.

<b>Yxy(97.8008, 0.3281, 0.3533)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(97.8008, 0.3281, 0.3533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFE5
RGB	255, 254, 229
RGB Percent	100%, 100%, 90%
CMY	0.0000, 0.0039, 0.1021
CMYK	0.00, 0.00, 0.10, 0.00
HSL	58°, 100%, 95%
HSV	58°, 10%, 100%
XYZ	90.8249, 97.8008, 88.1951
YIQ	251.4490, 8.6210, -7.5630

# Conversions

## Conversions Part 2

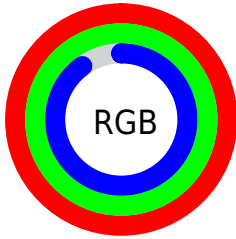
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 255, 229
Decimal	16776933
CIE Lab	99.14, -3.82, 12.09
CIE LCh	99, 12.679, 107.550
Yxy	97.8008, 0.3281, 0.3533
Android (android.graphics.Color)	4294967013 (0xFFFFFEE5)
YUV	251.4490, -11.0674, 3.1142
Hunter-Lab	98.8943, -9.1299, 16.3505

# Details

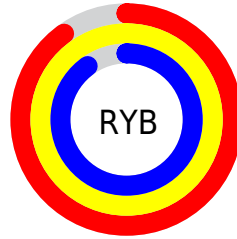
The Yxy color 97.8008, 0.3281, 0.3533 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.4466, 0.2967, 0.3035, and the grayscale version is 96.9494, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.9943, 0.3308, 0.3574 is the 20% darker color. If you saturate the color by 10%, you get 95.8638, 0.3437, 0.3778, and if you desaturate by 10%, it is 99.9529, 0.3130, 0.3295.

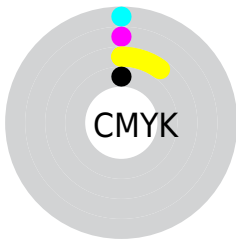
# Distribution



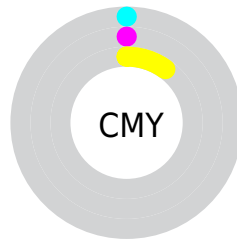
- Red (100%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.8008, 0.3281, 0.3533 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 97.8008, 0.3281, 0.3533 by changing the saturation by 10% instead.



 97.8008, 0.3281,  
0.3533

 97.8008, 0.3281,  
0.3533

553.0931, 0.3214,  
0.3426

 74.4683, 0.3295,  
0.3556


158.1284, 0.3258,  
0.3497

 55.1774, 0.3313,  
0.3585


195.8923, 0.3249,  
0.3482

 39.5438, 0.3334,  
0.3620

239.2354, 0.3242,  
0.3470

 27.1830, 0.3361,  
0.3665

288.5421, 0.3235,  
0.3459

 17.7107, 0.3396,  
0.3723

344.1968, 0.3229,  
0.3449

 10.7425, 0.3443,  
0.3803

406.5840, 0.3223,

 5.8940, 0.3510,

0.3440

0.3919

476.0879, 0.3218,  
0.3433

■ 2.7807, 0.3610,  
0.4100

■ 1.0183, 0.4053,  
0.4749

■ 97.8008, 0.3281,  
0.3533

■ 97.8008, 0.3281,  
0.3533

■ 95.8638, 0.3437,  
0.3778

99.9529, 0.3130,  
0.3295

■ 94.1287, 0.3593,  
0.4021

100.0000, 0.3127,  
0.3290

■ 92.5871, 0.3745,  
0.4256

■ 91.2285, 0.3886,  
0.4472

■ 90.0412, 0.4011,  
0.4658

■ 89.0123, 0.4113,  
0.4807

■ 88.1269, 0.4189,  
0.4913

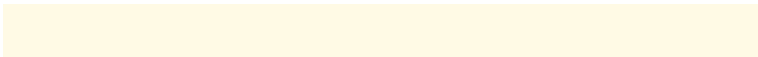
■ 87.3674, 0.4237,  
0.4974

■ 86.7175, 0.4263,  
0.4997

# Harmonies

## Analogous

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



97.8008, 0.3374, 0.3492



97.8008, 0.3281, 0.3533



97.8008, 0.3148, 0.3507

# Triad

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



97.8008, 0.3281, 0.3533



97.8008, 0.2862, 0.3172



97.8008, 0.3241, 0.3167

# Complementary

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



97.8008, 0.3281, 0.3533



80.4466, 0.2967, 0.3035

# Split Complementary

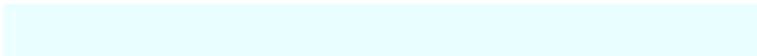
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8008, 0.3102, 0.3085



97.8008, 0.3281, 0.3533



97.8008, 0.2885, 0.3086

# Square

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



97.8008, 0.3281, 0.3533



97.8008, 0.2908, 0.3294



97.8008, 0.2972, 0.3056



97.8008, 0.3351, 0.3280



# Rectangle

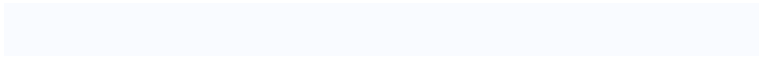
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.8008, 0.3281, 0.3533



97.8008, 0.3055, 0.3453



97.8008, 0.2972, 0.3056



97.8008, 0.3196, 0.3135

# Sweetspot

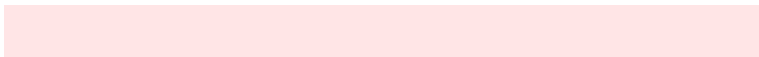
The Sweet Spot groups the original color and five complimentary colors.



97.8022, 0.3281, 0.3533



99.3306, 0.3172, 0.3360



83.0099, 0.3300, 0.3278



21.2233, 0.3184, 0.3379



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

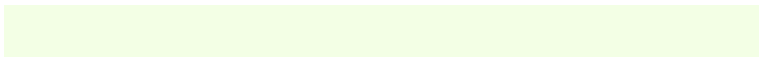
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.8022, 0.3281, 0.3533



97.4395, 0.3309, 0.3577



96.2810, 0.3205, 0.3548



20.9646, 0.3270, 0.3516



45.3645, 0.4261, 0.4998



4.4526, 0.4253, 0.5005



# Inverse Universe

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



80.4466, 0.2967, 0.3035



77.2903, 0.2936, 0.2986



81.8865, 0.3043, 0.3031



17.4890, 0.2978, 0.3054



3.9313, 0.1506, 0.0623

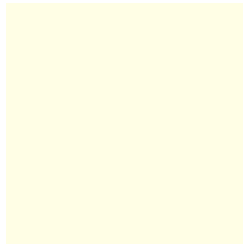


0.4202, 0.1521, 0.0677



# Previews

## White Background



This preview shows how the Yxy color 97.8008, 0.3281, 0.3533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

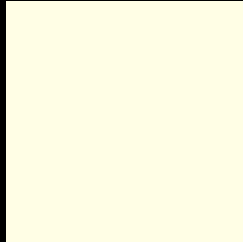
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.8008, 0.3281, 0.3533 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 97.8008, 0.3281, 0.3533**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.8008, 0.3281, 0.3533.



This preview shows how white text looks on a background with the Yxy color 97.8008, 0.3281, 0.3533.

# 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

97.8008, 0.3281, 0.3533



### Protanopia

97.5962, 0.3175, 0.3338

### Deuteranopia

97.8458, 0.3152, 0.3300

## Tritanopia

97.9116, 0.3122, 0.3261

# Trichromacy



**Original Color**

97.8008, 0.3281, 0.3533

**Protanomaly**

97.8018, 0.3216, 0.3415

**Deuteranomaly**

97.9816, 0.3198, 0.3386

**Tritanomaly**

97.9752, 0.3174, 0.3357

# Monochromacy



**Original Color**

97.8008, 0.3281, 0.3533



**Achromatopsia**

96.4686, 0.3127, 0.3290



**Achromatomaly**

96.7873, 0.3180, 0.3377

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.8008, 0.3281, 0.3533 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, 254, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 229)  
}
```

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, 254, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 97.8008, 0.3281, 0.3533 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, 254, 229) }
```

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

```
.border{ border-color:rgb(255, 254, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.8008, 0.3281, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 229) }
```

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

```
.background{ background-color: rgb(255,  
254, 229) }
```

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