

# Converting Colors

$Yxy(97.2205, 0.3234, 0.3540)$

Have a look what the booklet for  
Yxy(97.2205, 0.3234, 0.3540)  
contains.

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# Color

**Yxy(97.1896, 0.3229, 0.3536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFE6
RGB	248, 255, 230
RGB Percent	97%, 100%, 90%
CMY	0.0274, 0.0000, 0.0982
CMYK	0.03, 0.00, 0.10, 0.00
HSL	77°, 100%, 95%
HSV	77°, 10%, 100%
XYZ	88.7515, 97.1896, 88.9164
YIQ	250.0570, 3.8530, -9.2590

# Conversions

## Conversions Part 2

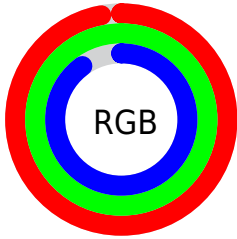
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 255, 237
Decimal	16318438
CIE Lab	98.90, -6.56, 11.17
CIE LCh	99, 12.954, 120.445
Yxy	97.1896, 0.3229, 0.3536
Android (android.graphics.Color)	4294508518 (0xFFFF8FFE6)
YUV	250.0570, -9.8881, -1.8040
Hunter-Lab	98.5848, -11.8278, 15.5340

# Details

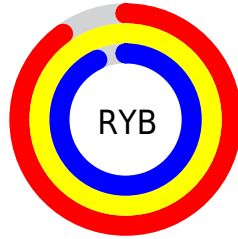
The Yxy color 97.1896, 0.3229, 0.3536 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.7904, 0.3019, 0.3039, and the grayscale version is 95.7260, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.6506, 0.3257, 0.3591 is the 20% darker color. If you saturate the color by 10%, you get 94.5823, 0.3334, 0.3801, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

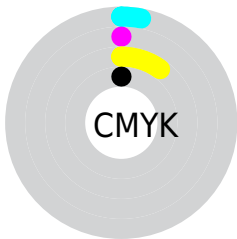
# Distribution



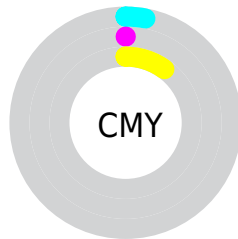
- Red (97%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.1896, 0.3229, 0.3536 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 97.1896, 0.3229, 0.3536 by changing the saturation by 10% instead.




 97.1896, 0.3229,  
0.3536

 97.1896, 0.3229,  
0.3536


551.1512, 0.3185,  
0.3427

 73.9587, 0.3238,  
0.3560


157.2862, 0.3214,  
0.3499

 54.7603, 0.3250,  
0.3589


194.9207, 0.3208,  
0.3484

 39.2098, 0.3264,  
0.3625

238.1251, 0.3203,  
0.3472

 26.9230, 0.3281,  
0.3671

287.2840, 0.3199,  
0.3460

 17.5154, 0.3303,  
0.3732

342.7817, 0.3195,  
0.3450

 10.6026, 0.3333,  
0.3816

405.0025, 0.3191,

 5.8003, 0.3375,

0.3442

0.3938

474.3309, 0.3188,  
0.3434

■ 2.7240, 0.3436,  
0.4133

■ 0.9894, 0.3773,  
0.4807

■ 97.1896, 0.3229,  
0.3536

■ 97.1896, 0.3229,  
0.3536

■ 94.5823, 0.3334,  
0.3801

100.0000, 0.3127,  
0.3290

■ 92.2253, 0.3435,  
0.4075

■ 90.1075, 0.3530,  
0.4351

■ 88.2178, 0.3613,  
0.4618

■ 86.5442, 0.3678,  
0.4864

■ 85.0730, 0.3721,  
0.5077

■ 83.7891, 0.3738,  
0.5247

■ 82.6741, 0.3729,  
0.5368

■ 81.6994, 0.3699,  
0.5444

# Harmonies

## Analogous

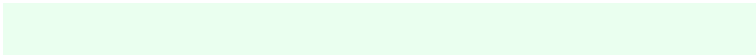
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.1896, 0.3346, 0.3523



97.1896, 0.3229, 0.3536



97.1896, 0.3087, 0.3480

# Triad

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



97.1896, 0.3229, 0.3536



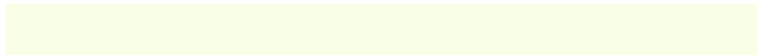
97.1896, 0.2857, 0.3125



97.1896, 0.3298, 0.3211

# Complementary

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



97.1896, 0.3229, 0.3536



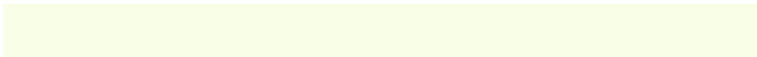
81.7904, 0.3019, 0.3039

# Split Complementary

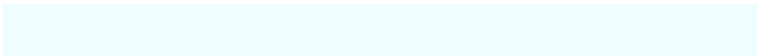
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1896, 0.3163, 0.3111



97.1896, 0.3229, 0.3536



97.1896, 0.2910, 0.3060

# Square

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



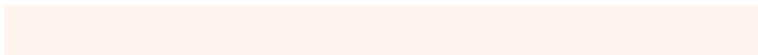
97.1896, 0.3229, 0.3536



97.1896, 0.2874, 0.3238



97.1896, 0.3022, 0.3056



97.1896, 0.3387, 0.3333

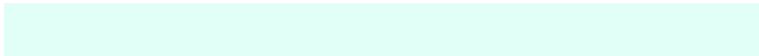


# Rectangle

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



97.1896, 0.3229, 0.3536



97.1896, 0.2997, 0.3410



97.1896, 0.3022, 0.3056



97.1896, 0.3256, 0.3174

# Sweetspot

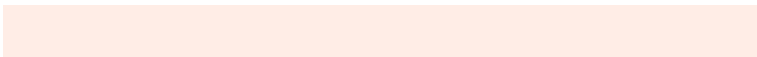
The Sweet Spot groups the original color and five complimentary colors.



97.1888, 0.3229, 0.3536



99.1140, 0.3158, 0.3363



87.3312, 0.3293, 0.3356



21.1647, 0.3166, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

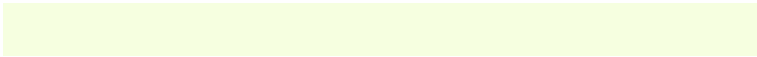


# Same Dimension

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



97.1888, 0.3229, 0.3536



96.5984, 0.3252, 0.3593



95.0307, 0.3152, 0.3542



20.8208, 0.3226, 0.3528



42.7596, 0.3706, 0.5439



4.2182, 0.3764, 0.5394



# Inverse Universe

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



81.7904, 0.3019, 0.3039



78.0613, 0.2992, 0.2979



83.9621, 0.3099, 0.3045



17.6233, 0.3022, 0.3047



4.5409, 0.1675, 0.0696

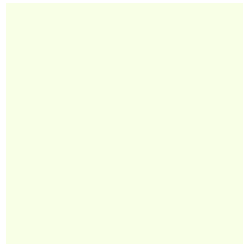


0.4941, 0.1790, 0.0759



# Previews

## White Background



This preview shows how the Yxy color 97.1896, 0.3229, 0.3536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

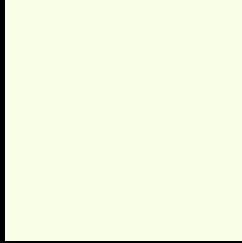
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.1896, 0.3229, 0.3536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

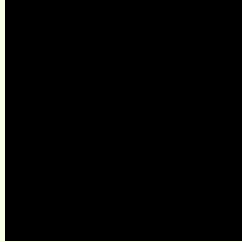
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.1896, 0.3229, 0.3536**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.1896, 0.3229, 0.3536.

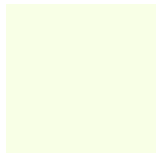


This preview shows how white text looks on a background with the Yxy color 97.1896, 0.3229, 0.3536.

# 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

97.1896, 0.3229, 0.3536



### Protanopia

96.7860, 0.3194, 0.3357

### Deuteranopia

97.1565, 0.3158, 0.3300

## **Tritanopia**

96.9098, 0.3110, 0.3252

# Trichromacy



**Original Color**

97.1896, 0.3229, 0.3536

**Protanomaly**

96.5482, 0.3204, 0.3416

**Deuteranomaly**

96.7873, 0.3180, 0.3377

**Tritanomaly**

96.7839, 0.3156, 0.3348

# Monochromacy



**Original Color**

97.1896, 0.3229, 0.3536

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.2316, 0.3161, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.1896, 0.3229, 0.3536 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(248, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 230)  
}
```

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(248, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 97.1896, 0.3229, 0.3536 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(248, 255, 230) }
```

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

```
.border{ border-color:rgb(248, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.1896, 0.3229, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 230) }
```

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

```
.background{ background-color: rgb(248,  
255, 230) }
```

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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