

Converting Colors

Yxy(135.8358, 0.3187, 0.4001)

Have a look what the booklet for
Yxy(135.8358, 0.3187, 0.4001)
contains.

Yxy(97.1896, 0.3229, 0.3536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

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

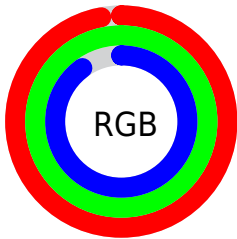
Format	Color
R_{YB}	230, 255, 237
Decimal	16318438
CIE Lab	98.90, -6.56, 11.17
CIE LCh	99, 12.954, 120.445
Yxy	97.1896, 0.3229, 0.3536
Android (android.graphics.Color)	4294508518 (0xFFFF8FFE6)
YUV	250.0570, -9.8881, -1.8040
Hunter-Lab	98.5848, -11.8278, 15.5340

Details

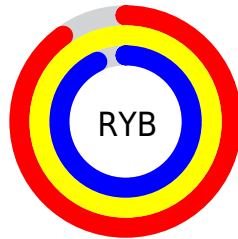
The Yxy color 97.1896, 0.3229, 0.3536 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.7904, 0.3019, 0.3039, and the grayscale version is 95.7260, 0.3127, 0.3290.

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.

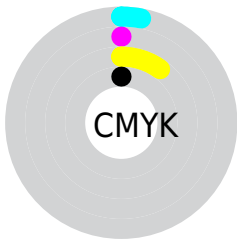
Distribution



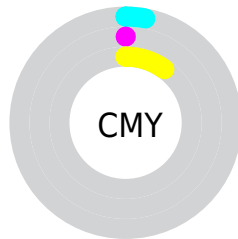
- Red (97%)
- Green (100%)
- Blue (90%)



- 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

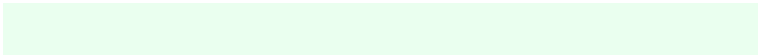
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.1896, 0.3346, 0.3523



97.1896, 0.3229, 0.3536



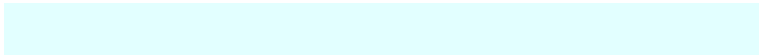
97.1896, 0.3087, 0.3480

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



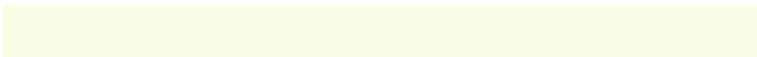
81.7904, 0.3019, 0.3039

Split Complementary

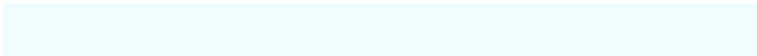
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1896, 0.3163, 0.3111



97.1896, 0.3229, 0.3536



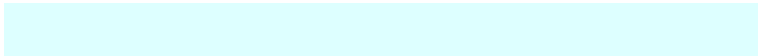
97.1896, 0.2910, 0.3060

Square

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



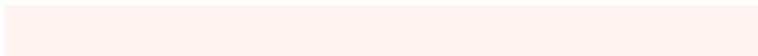
97.1896, 0.3229, 0.3536



97.1896, 0.2874, 0.3238



97.1896, 0.3022, 0.3056



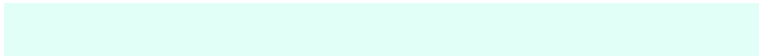
97.1896, 0.3387, 0.3333

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

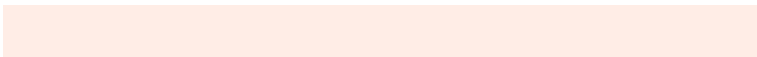
The Sweet Spot groups the original color and five complimentary colors.



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



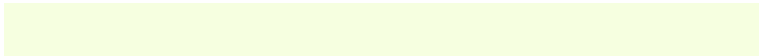
21.4041, 0.3127, 0.3290

Same Dimension

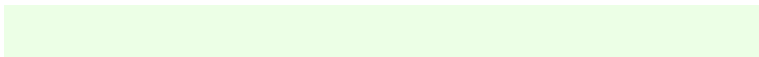
The Same Dimension uses a secret algorithm to generate beautiful new colors.



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

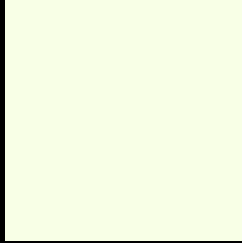
Large Text (above 18pt) WCAG AA × Fail

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

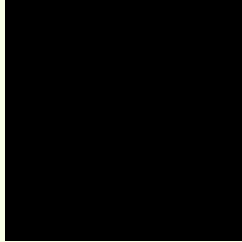
Large Text (above 18pt) WCAG AAA ✓ Pass

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](#).

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