

# Converting Colors

$Y_{xy}(100.0000, 0.3176, 0.3435)$

Have a look what the booklet for  
Yxy(100.0000, 0.3176, 0.3435)  
contains.

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# Color

**Yxy(98.4400, 0.3177, 0.3416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFFF2
RGB	251, 255, 242
RGB Percent	98%, 100%, 95%
CMY	0.0159, 0.0000, 0.0510
CMYK	0.02, 0.00, 0.05, 0.00
HSL	79°, 100%, 97%
HSV	79°, 5%, 100%
XYZ	91.5527, 98.4400, 98.1806
YIQ	252.3220, 1.7890, -4.8910

# Conversions

## Conversions Part 2

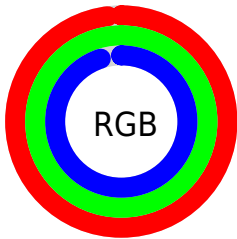
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 255, 246
Decimal	16515058
CIE Lab	99.39, -3.59, 5.73
CIE LCh	99, 6.766, 122.051
Yxy	98.4400, 0.3177, 0.3416
Android (android.graphics.Color)	4294705138 (0xFFFBFF2)
YUV	252.3220, -5.0887, -1.1594
Hunter-Lab	99.2169, -8.9183, 10.7811

# Details

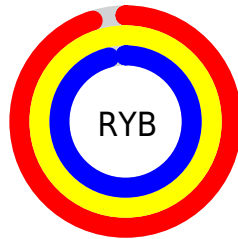
The Yxy color 98.4400, 0.3177, 0.3416 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.3313, 0.3076, 0.3163, and the grayscale version is 97.6526, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.4027, 0.3184, 0.3438 is the 20% darker color. If you saturate the color by 10%, you get 95.5507, 0.3276, 0.3675, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

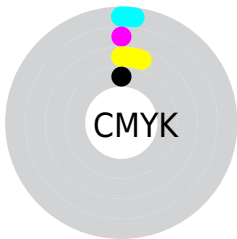
# Distribution



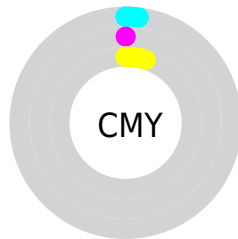
- Red (98%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.4400, 0.3177, 0.3416 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 98.4400, 0.3177, 0.3416 by changing the saturation by 10% instead.



 98.4400, 0.3177,  
0.3416

 98.4400, 0.3177,  
0.3416


555.1201, 0.3155,  
0.3361

 75.0014, 0.3182,  
0.3428


159.0087, 0.3170,  
0.3397

 55.6140, 0.3187,  
0.3443


196.9075, 0.3167,  
0.3390

 39.8935, 0.3194,  
0.3461


240.3952, 0.3164,  
0.3383

 27.4555, 0.3203,  
0.3484

289.8561, 0.3162,  
0.3378

 17.9156, 0.3214,  
0.3514

345.6746, 0.3160,  
0.3373

 10.8894, 0.3229,  
0.3556

408.2352, 0.3158,

 5.9925, 0.3251,

0.3368

0.3616

477.9223, 0.3157,  
0.3364

■ 2.8405, 0.3284,  
0.3711

■ 1.0491, 0.3363,  
0.3911

■ 98.4400, 0.3177,  
0.3416

■ 98.4400, 0.3177,  
0.3416

■ 95.5507, 0.3276,  
0.3675

100.0000, 0.3127,  
0.3290

■ 92.9401, 0.3374,  
0.3948

■ 90.5858, 0.3466,  
0.4228

■ 88.4770, 0.3549,  
0.4505

■ 86.6018, 0.3617,  
0.4768

■ 84.9471, 0.3665,  
0.5005

■ 83.4984, 0.3689,  
0.5203

■ 82.2386, 0.3687,  
0.5354

■ 81.1472, 0.3660,  
0.5455

# Harmonies

## Analogous

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



98.4400, 0.3238, 0.3412



98.4400, 0.3177, 0.3416



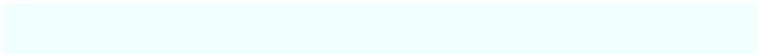
98.4400, 0.3103, 0.3385

# Triad

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



98.4400, 0.3177, 0.3416



98.4400, 0.2986, 0.3203



98.4400, 0.3219, 0.3252

# Complementary

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



98.4400, 0.3177, 0.3416



90.3313, 0.3076, 0.3163

# 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.



98.4400, 0.3151, 0.3198



98.4400, 0.3177, 0.3416



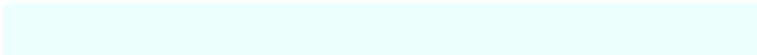
98.4400, 0.3016, 0.3169

# Square

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



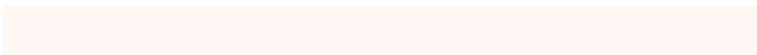
98.4400, 0.3177, 0.3416



98.4400, 0.2993, 0.3261



98.4400, 0.3076, 0.3168



98.4400, 0.3263, 0.3317



# Rectangle

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



98.4400, 0.3177, 0.3416



98.4400, 0.3056, 0.3349



98.4400, 0.3076, 0.3168



98.4400, 0.3198, 0.3232

# Sweetspot

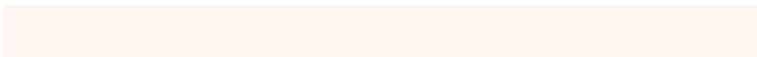
The Sweet Spot groups the original color and five complimentary colors.



98.4279, 0.3177, 0.3416



99.3745, 0.3147, 0.3339



93.5229, 0.3209, 0.3328



21.2768, 0.3146, 0.3336



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.



98.4279, 0.3177, 0.3416



98.1569, 0.3186, 0.3439



97.2720, 0.3137, 0.3417



20.9679, 0.3192, 0.3455



42.2293, 0.3650, 0.5484



4.1698, 0.3713, 0.5434



# Inverse Universe

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



90.3313, 0.3076, 0.3163



88.6840, 0.3066, 0.3140



91.4963, 0.3116, 0.3165



18.7296, 0.3059, 0.3123



4.7281, 0.1716, 0.0719



0.5155, 0.1835, 0.0785



# Previews

## White Background



This preview shows how the Yxy color 98.4400, 0.3177, 0.3416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

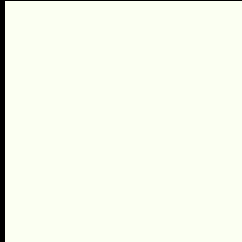
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.4400, 0.3177, 0.3416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

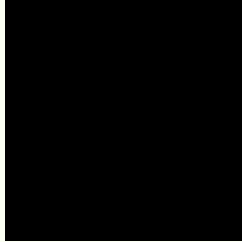
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.4400, 0.3177, 0.3416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.4400, 0.3177, 0.3416.



This preview shows how white text looks on a background with the Yxy color 98.4400, 0.3177, 0.3416.

# 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

98.4400, 0.3177, 0.3416



### Protanopia

98.4127, 0.3157, 0.3319



### Deuteranopia

98.6024, 0.3140, 0.3290

## **Tritanopia**

98.3532, 0.3116, 0.3271

# Trichromacy

## Original Color

98.4400, 0.3177, 0.3416

## Protanomaly

98.6699, 0.3168, 0.3357

## Deuteranomaly

98.7940, 0.3156, 0.3338

## Tritanomaly

98.4812, 0.3138, 0.3328

# Monochromacy

## Original Color

98.4400, 0.3177, 0.3416

## Achromatopsia

97.3445, 0.3127, 0.3290

## Achromatomaly

97.7233, 0.3150, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.4400, 0.3177, 0.3416 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(251, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 242)  
}
```

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(251, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 98.4400, 0.3177, 0.3416 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(251, 255, 242) }
```

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

```
.border{ border-color:rgb(251, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.4400, 0.3177, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 242) }
```

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

```
.background{ background-color: rgb(251,  
255, 242) }
```

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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