

# Converting Colors

$Y_{xy}(179.1423, 0.4682, 0.3367)$

Have a look what the booklet for  
Yxy(179.1423, 0.4682, 0.3367)  
contains.

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# **Color**

**Yxy(98.4349, 0.3215, 0.3425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEF0
RGB	255, 254, 240
RGB Percent	100%, 100%, 94%
CMY	0.0001, 0.0039, 0.0588
CMYK	0.00, 0.00, 0.06, 0.00
HSL	56°, 100%, 97%
HSV	56°, 6%, 100%
XYZ	92.3995, 98.4349, 96.5668
YIQ	252.7030, 5.0900, -4.1420

# Conversions

## Conversions Part 2

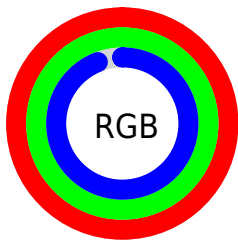
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 255, 240
Decimal	16776944
CIE Lab	99.39, -2.06, 6.80
CIE LCh	99, 7.102, 106.895
Yxy	98.4349, 0.3215, 0.3425
Android (android.graphics.Color)	4294967024 (0xFFFFFEF0)
YUV	252.7030, -6.2626, 2.0145
Hunter-Lab	99.2144, -7.3860, 11.7422

# Details

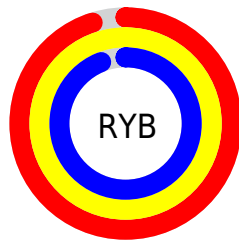
The Yxy color 98.4349, 0.3215, 0.3425 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.6217, 0.3037, 0.3151, and the grayscale version is 98.0129, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.3990, 0.3232, 0.3449 is the 20% darker color. If you saturate the color by 10%, you get 96.0100, 0.3370, 0.3662, and if you desaturate by 10%, it is 99.9931, 0.3127, 0.3290.

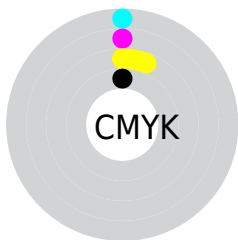
# Distribution



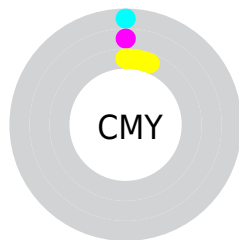
- Red (100%)
- Green (100%)
- Blue (94%)



- Red (95%)
- Yellow (100%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.4349, 0.3215, 0.3425 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 98.4349, 0.3215, 0.3425 by changing the saturation by 10% instead.




 98.4349, 0.3215,  
0.3425

 98.4349, 0.3215,  
0.3425

555.1040, 0.3177,  
0.3366

 74.9971, 0.3223,  
0.3438

159.0016, 0.3202,  
0.3405

 55.6105, 0.3233,  
0.3454


196.8994, 0.3197,  
0.3397

 39.8907, 0.3246,  
0.3473


240.3859, 0.3192,  
0.3390

 27.4534, 0.3261,  
0.3497

289.8456, 0.3189,  
0.3384

 17.9140, 0.3281,  
0.3529

345.6629, 0.3185,  
0.3379

 10.8883, 0.3309,  
0.3573

408.2221, 0.3182,

 5.9918, 0.3348,

0.3374

0.3637

477.9077, 0.3179,  
0.3370

■ 2.8401, 0.3409,  
0.3736

■ 1.0488, 0.3557,  
0.3962

■ 98.4349, 0.3215,  
0.3425

■ 98.4349, 0.3215,  
0.3425

■ 96.0100, 0.3370,  
0.3662

99.9931, 0.3127,  
0.3290

■ 93.7934, 0.3529,  
0.3901

■ 91.7801, 0.3687,  
0.4136

■ 89.9598, 0.3839,  
0.4358

■ 88.3213, 0.3977,  
0.4555

■ 86.8524, 0.4097,  
0.4719

■ 85.5390, 0.4191,  
0.4841

■ 84.3649, 0.4259,  
0.4919

■ 83.3098, 0.4299,  
0.4954

# Harmonies

## Analogous

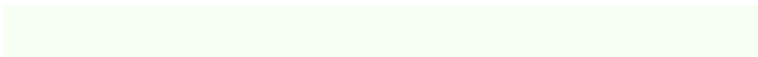
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.4349, 0.3266, 0.3403



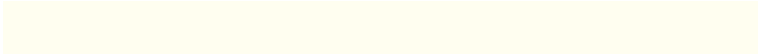
98.4349, 0.3215, 0.3425



98.4349, 0.3141, 0.3410

# Triad

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



98.4349, 0.3215, 0.3425



98.4349, 0.2978, 0.3227



98.4349, 0.3189, 0.3219

# Complementary

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



98.4349, 0.3215, 0.3425



88.6217, 0.3037, 0.3151

# 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.



98.4349, 0.3112, 0.3174



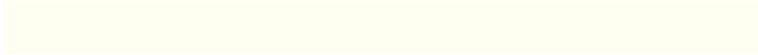
98.4349, 0.3215, 0.3425



98.4349, 0.2990, 0.3177

# Square

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



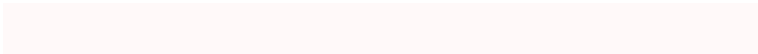
98.4349, 0.3215, 0.3425



98.4349, 0.3005, 0.3295



98.4349, 0.3039, 0.3158



98.4349, 0.3251, 0.3284

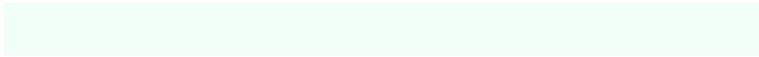


# Rectangle

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



98.4349, 0.3215, 0.3425



98.4349, 0.3089, 0.3382



98.4349, 0.3039, 0.3158



98.4349, 0.3164, 0.3201

# Sweetspot

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



98.4392, 0.3215, 0.3425



99.4703, 0.3157, 0.3336



89.9242, 0.3220, 0.3281



21.2963, 0.3155, 0.3333



0.0000, 0.0000, 0.0000

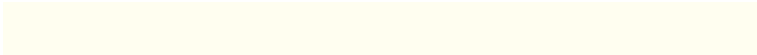


21.4041, 0.3127, 0.3290



# Same Dimension

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



98.4392, 0.3215, 0.3425



98.1854, 0.3232, 0.3451



97.8322, 0.3173, 0.3436



20.9833, 0.3241, 0.3466



43.4135, 0.4308, 0.4961



4.2841, 0.4294, 0.4973



# Inverse Universe

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



88.6217, 0.3037, 0.3151



86.5616, 0.3019, 0.3123



89.2186, 0.3079, 0.3144



18.2920, 0.3010, 0.3108



4.0377, 0.1511, 0.0638

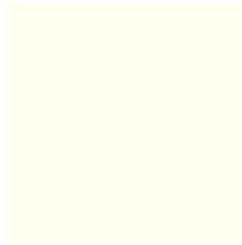


0.4548, 0.1535, 0.0726



# Previews

## White Background



This preview shows how the Yxy color 98.4349, 0.3215, 0.3425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

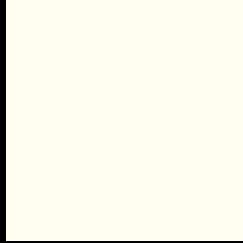
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 98.4349, 0.3215, 0.3425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

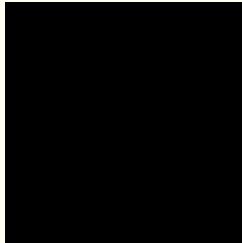
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 98.4349, 0.3215, 0.3425**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.4349, 0.3215, 0.3425.

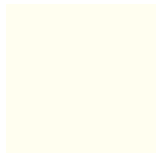


This preview shows how white text looks on a background with the Yxy color 98.4349, 0.3215, 0.3425.

# 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

98.4349, 0.3215, 0.3425



### Protanopia

98.4127, 0.3157, 0.3319



### Deuteranopia

98.6024, 0.3140, 0.3290

## **Tritanopia**

98.5414, 0.3122, 0.3271

# Trichromacy



**Original Color**

98.4349, 0.3215, 0.3425

**Protanomaly**

98.1644, 0.3181, 0.3357

**Deuteranomaly**

98.2879, 0.3169, 0.3338

**Tritanomaly**

98.2235, 0.3151, 0.3319

# Monochromacy



**Original Color**

98.4349, 0.3215, 0.3425



**Achromatopsia**

98.2251, 0.3127, 0.3290



**Achromatomaly**

98.0987, 0.3163, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.4349, 0.3215, 0.3425 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 98.4349, 0.3215, 0.3425 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, 240) }
```

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

```
.border{ border-color:rgb(255, 254, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 98.4349, 0.3215, 0.3425 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
254, 240) }
```

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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