

# Converting Colors

$Y_{xy}(96.7830, 0.3229, 0.3421)$

Have a look what the booklet for  
Yxy(96.7830, 0.3229, 0.3421)  
contains.

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# Color

**Yxy(97.0539, 0.3229, 0.3425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCEE
RGB	255, 252, 238
RGB Percent	100%, 99%, 93%
CMY	0.0000, 0.0118, 0.0666
CMYK	0.00, 0.01, 0.07, 0.00
HSL	49°, 100%, 97%
HSV	49°, 7%, 100%
XYZ	91.4999, 97.0539, 94.8153
YIQ	251.3010, 6.2820, -3.7180

# Conversions

## Conversions Part 2

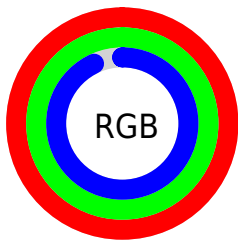
Format	Color
R <sub>Y</sub> B	242, 255, 238
Decimal	16776430
CIE Lab	98.85, -1.34, 7.03
CIE LCh	99, 7.156, 100.790
Yxy	97.0539, 0.3229, 0.3425
Android (android.graphics.Color)	4294966510 (0xFFFFFCEE)
YUV	251.3010, -6.5574, 3.2440
Hunter-Lab	98.5159, -6.6152, 11.8983

# Details

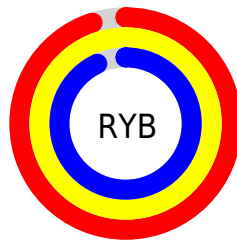
The Yxy color 97.0539, 0.3229, 0.3425 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.3316, 0.3025, 0.3151, and the grayscale version is 96.7795, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4134, 0.3249, 0.3450 is the 20% darker color. If you saturate the color by 10%, you get 92.8462, 0.3390, 0.3635, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

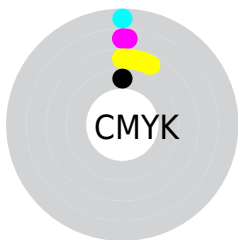
# Distribution



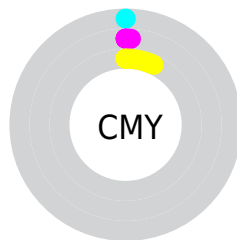
- Red (100%)
- Green (99%)
- Blue (93%)



- Red (95%)
- Yellow (100%)
- Blue (93%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.0539, 0.3229, 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 97.0539, 0.3229, 0.3425 by changing the saturation by 10% instead.



 97.0539, 0.3229,  
0.3425

 97.0539, 0.3229,  
0.3425


550.7196, 0.3184,  
0.3366

 73.8456, 0.3239,  
0.3438


157.0991, 0.3214,  
0.3405

 54.6677, 0.3250,  
0.3454


194.7048, 0.3208,  
0.3397

 39.1357, 0.3265,  
0.3473


237.8785, 0.3203,  
0.3390

 26.8653, 0.3283,  
0.3498

287.0045, 0.3198,  
0.3384

 17.4721, 0.3307,  
0.3530

342.4672, 0.3194,  
0.3379

 10.5717, 0.3340,  
0.3574

404.6510, 0.3191,

 5.7796, 0.3386,

0.3374

0.3638

473.9404, 0.3187,  
0.3369

■ 2.7115, 0.3459,  
0.3738

■ 0.9831, 0.3660,  
0.3999

■ 97.0539, 0.3229,  
0.3425

■ 97.0539, 0.3229,  
0.3425

■ 92.8462, 0.3390,  
0.3635

100.0000, 0.3127,  
0.3290

■ 88.9151, 0.3560,  
0.3849

■ 85.2446, 0.3735,  
0.4060

■ 81.8241, 0.3910,  
0.4261

■ 78.6417, 0.4077,  
0.4440

■ 75.6847, 0.4229,  
0.4588

■ 72.9384, 0.4359,  
0.4694

■ 70.3858, 0.4461,  
0.4754

■ 68.0056, 0.4533,  
0.4768

# Harmonies

## Analogous

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



97.0539, 0.3273, 0.3395



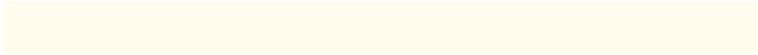
97.0539, 0.3229, 0.3425



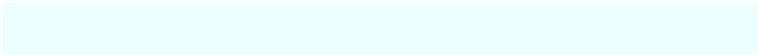
97.0539, 0.3158, 0.3418

# Triad

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



97.0539, 0.3229, 0.3425



97.0539, 0.2979, 0.3239



97.0539, 0.3175, 0.3207

# Complementary

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



97.0539, 0.3229, 0.3425



88.3316, 0.3025, 0.3151

# Split Complementary

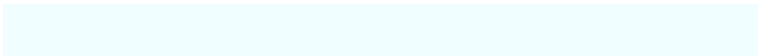
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0539, 0.3095, 0.3166



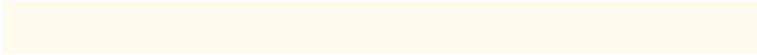
97.0539, 0.3229, 0.3425



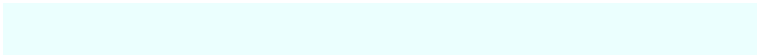
97.0539, 0.2983, 0.3184

# Square

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



97.0539, 0.3229, 0.3425



97.0539, 0.3013, 0.3309



97.0539, 0.3025, 0.3157



97.0539, 0.3242, 0.3270

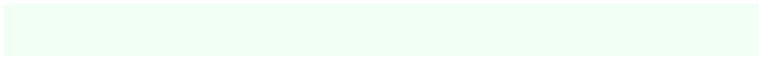


# Rectangle

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



97.0539, 0.3229, 0.3425



97.0539, 0.3104, 0.3393



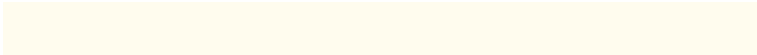
97.0539, 0.3025, 0.3157



97.0539, 0.3149, 0.3190

# Sweetspot

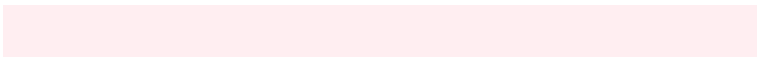
The Sweet Spot groups the original color and five complimentary colors.



97.0479, 0.3229, 0.3425



99.1000, 0.3157, 0.3330



88.7809, 0.3221, 0.3260



21.2210, 0.3156, 0.3328



0.0000, 0.0000, 0.0000

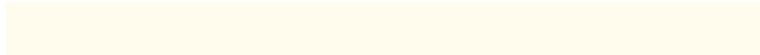


21.4041, 0.3127, 0.3290



# Same Dimension

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



97.0479, 0.3229, 0.3425



96.4679, 0.3250, 0.3453



97.9489, 0.3192, 0.3455



20.5102, 0.3274, 0.3484



35.3329, 0.4546, 0.4772



3.5772, 0.4499, 0.4810



# Inverse Universe

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



88.3316, 0.3025, 0.3151



86.0906, 0.3003, 0.3122



87.5076, 0.3059, 0.3123



17.8986, 0.2979, 0.3088



4.9124, 0.1544, 0.0758



0.6138, 0.1594, 0.0940



# Previews

## White Background



This preview shows how the Yxy color 97.0539, 0.3229, 0.3425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

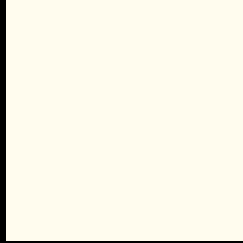
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.0539, 0.3229, 0.3425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

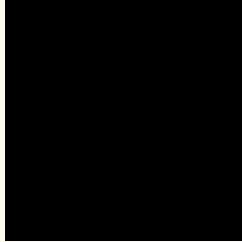
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.0539, 0.3229, 0.3425**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.0539, 0.3229, 0.3425.



This preview shows how white text looks on a background with the Yxy color 97.0539, 0.3229, 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

A vertical bar on the left side of the page is divided into three colored sections: a yellow top section, a light orange middle section, and a light yellow bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

### Original Color

97.0539, 0.3229, 0.3425

### Protanopia

96.9082, 0.3182, 0.3338

### Deuteranopia

97.1565, 0.3158, 0.3300

## **Tritanopia**

97.0970, 0.3116, 0.3252

# Trichromacy

## Original Color

97.0539, 0.3229, 0.3425

## Protanomaly

96.7254, 0.3200, 0.3367

## Deuteranomaly

96.9082, 0.3182, 0.3338

## Tritanomaly

96.9047, 0.3158, 0.3309

# Monochromacy

## Original Color

97.0539, 0.3229, 0.3425

## Achromatopsia

96.4686, 0.3127, 0.3290

## Achromatomaly

96.3436, 0.3163, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.0539, 0.3229, 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, 252, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 238)  
}
```

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, 252, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 97.0539, 0.3229, 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, 252, 238) }
```

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

```
.border{ border-color:rgb(255, 252, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 252, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 252, 238); box-shadow:4px 4px 4px 4px rgb(255, 252, 238) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.0539, 0.3229, 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, 252, 238) }
```

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

```
.background{ background-color: rgb(255,  
252, 238) }
```

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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