

# Converting Colors

$Y_{xy}(140.7966, 0.4229, 0.3387)$

Have a look what the booklet for  
Yxy(140.7966, 0.4229, 0.3387)  
contains.

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# **Color**

**Yxy(97.6836, 0.3228, 0.3435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDEE
RGB	255, 253, 238
RGB Percent	100%, 99%, 93%
CMY	0.0000, 0.0078, 0.0667
CMYK	0.00, 0.01, 0.07, 0.00
HSL	53°, 100%, 97%
HSV	53°, 7%, 100%
XYZ	91.7970, 97.6836, 94.8967
YIQ	251.8880, 6.0070, -4.2410

# Conversions

## Conversions Part 2

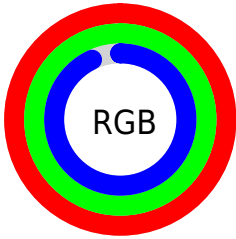
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 255, 238
Decimal	16776686
CIE Lab	99.10, -1.87, 7.40
CIE LCh	99, 7.636, 104.209
Yxy	97.6836, 0.3228, 0.3435
Android (android.graphics.Color)	4294966766 (0xFFFFFDEE)
YUV	251.8880, -6.8468, 2.7292
Hunter-Lab	98.8350, -7.1722, 12.2571

# Details

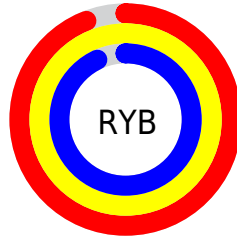
The Yxy color 97.6836, 0.3228, 0.3435 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.7060, 0.3025, 0.3141, and the grayscale version is 97.3032, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.8630, 0.3248, 0.3462 is the 20% darker color. If you saturate the color by 10%, you get 94.4210, 0.3386, 0.3659, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

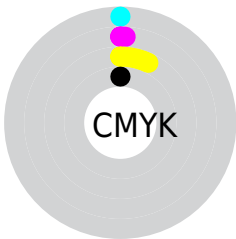
# Distribution



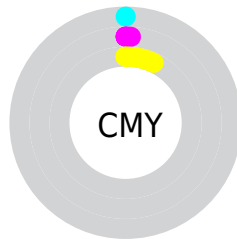
- Red (100%)
- Green (99%)
- Blue (93%)



- Red (94%)
- 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 97.6836, 0.3228, 0.3435 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 97.6836, 0.3228, 0.3435 by changing the saturation by 10% instead.



 97.6836, 0.3228,  
0.3435

 97.6836, 0.3228,  
0.3435

552.7210, 0.3184,  
0.3371

 74.3705, 0.3238,  
0.3449


157.9669, 0.3213,  
0.3413

 55.0974, 0.3249,  
0.3466


195.7060, 0.3207,  
0.3405

 39.4797, 0.3263,  
0.3487


239.0226, 0.3202,  
0.3397

 27.1331, 0.3281,  
0.3513

288.3010, 0.3198,  
0.3391

 17.6732, 0.3305,  
0.3548

343.9256, 0.3194,  
0.3385

 10.7156, 0.3337,  
0.3595

406.2809, 0.3190,

 5.8760, 0.3382,

0.3380

0.3663

475.7512, 0.3187,  
0.3375

■ 2.7698, 0.3453,  
0.3771

■ 1.0128, 0.3646,  
0.4043

■ 97.6836, 0.3228,  
0.3435

■ 97.6836, 0.3228,  
0.3435

■ 94.4210, 0.3386,  
0.3659

100.0000, 0.3127,  
0.3290

■ 91.3875, 0.3551,  
0.3887

■ 88.5773, 0.3716,  
0.4111

■ 85.9798, 0.3878,  
0.4322

■ 83.5839, 0.4029,  
0.4510

■ 81.3768, 0.4162,  
0.4665

■ 79.3444, 0.4271,  
0.4778

■ 77.4700, 0.4353,  
0.4847

■ 75.7328, 0.4406,  
0.4870

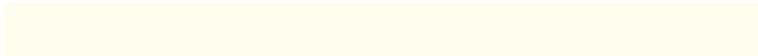
# Harmonies

## Analogous

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



97.6836, 0.3280, 0.3407



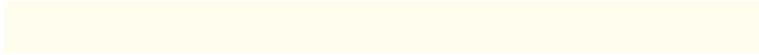
97.6836, 0.3228, 0.3435



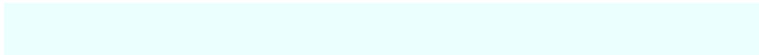
97.6836, 0.3150, 0.3423

# Triad

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



97.6836, 0.3228, 0.3435



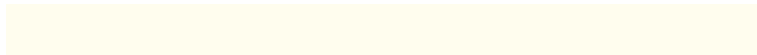
97.6836, 0.2967, 0.3228



97.6836, 0.3187, 0.3208

# Complementary

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



97.6836, 0.3228, 0.3435



87.7060, 0.3025, 0.3141

# Split Complementary

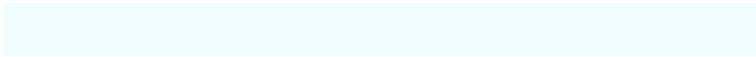
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6836, 0.3103, 0.3162



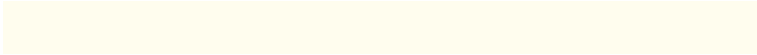
97.6836, 0.3228, 0.3435



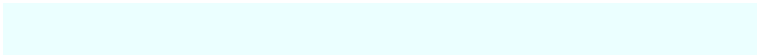
97.6836, 0.2977, 0.3172

# Square

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



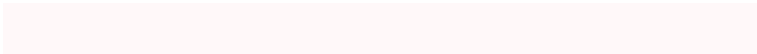
97.6836, 0.3228, 0.3435



97.6836, 0.3000, 0.3302



97.6836, 0.3026, 0.3148

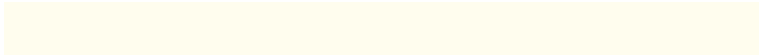


97.6836, 0.3256, 0.3277



# Rectangle

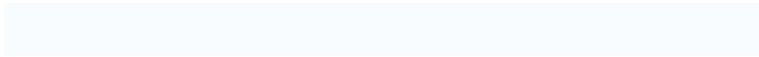
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.6836, 0.3228, 0.3435



97.6836, 0.3093, 0.3394



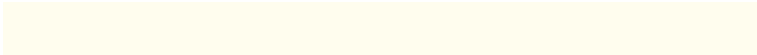
97.6836, 0.3026, 0.3148



97.6836, 0.3160, 0.3190

# Sweetspot

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



97.6873, 0.3228, 0.3435



99.2951, 0.3157, 0.3333



88.7101, 0.3226, 0.3268



21.2607, 0.3155, 0.3331



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.



97.6873, 0.3228, 0.3435



97.2393, 0.3249, 0.3464



97.7887, 0.3187, 0.3456



20.7058, 0.3272, 0.3498



39.4247, 0.4416, 0.4876



3.9371, 0.4387, 0.4899



# Inverse Universe

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



87.7060, 0.3025, 0.3141



85.3771, 0.3003, 0.3109



87.6373, 0.3065, 0.3123



17.7204, 0.2979, 0.3073



4.3623, 0.1523, 0.0683



0.5295, 0.1564, 0.0828



# Previews

## White Background



This preview shows how the Yxy color 97.6836, 0.3228, 0.3435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

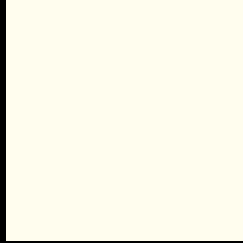
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.6836, 0.3228, 0.3435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

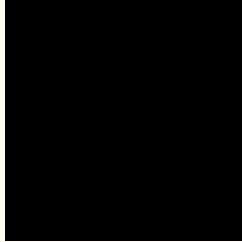
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.6836, 0.3228, 0.3435**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.6836, 0.3228, 0.3435.



This preview shows how white text looks on a background with the Yxy color 97.6836, 0.3228, 0.3435.

# 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**

97.6836, 0.3228, 0.3435

**Protanopia**

97.6581, 0.3169, 0.3328

**Deuteranopia**

97.8458, 0.3152, 0.3300

## **Tritanopia**

97.9116, 0.3122, 0.3261

# Trichromacy

## Original Color

97.6836, 0.3228, 0.3435

## Protanomaly

97.4125, 0.3193, 0.3367

## Deuteranomaly

97.5346, 0.3181, 0.3348

## Tritanomaly

97.5312, 0.3157, 0.3319

# Monochromacy

## Original Color

97.6836, 0.3228, 0.3435

## Achromatopsia

97.3445, 0.3127, 0.3290

## Achromatomaly

97.2189, 0.3163, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  97.6836, 0.3228, 0.3435 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  $rgb(255, 253, 238)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 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, 253, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 97.6836, 0.3228, 0.3435 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, 253, 238) }
```

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

```
.border{ border-color:rgb(255, 253, 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, 253, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.6836, 0.3228, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 238) }
```

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

```
.background{ background-color: rgb(255,  
253, 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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