

# Converting Colors

$Y_{xy}(100.0000, 0.3310, 0.3446)$

Have a look what the booklet for  
Yxy(100.0000, 0.3310, 0.3446)  
contains.

<b>Yxy(97.6250, 0.3234, 0.3445)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(97.6250, 0.3234, 0.3445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDED
RGB	255, 253, 237
RGB Percent	100%, 99%, 93%
CMY	0.0000, 0.0078, 0.0707
CMYK	0.00, 0.01, 0.07, 0.00
HSL	53°, 100%, 96%
HSV	53°, 7%, 100%
XYZ	91.6456, 97.6250, 94.1111
YIQ	251.7740, 6.3280, -4.5520

# Conversions

## Conversions Part 2

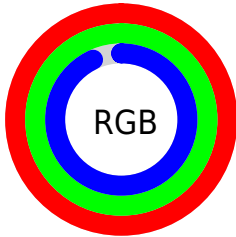
Format	Color
R <sub>Y</sub> B	239, 255, 237
Decimal	16776685
CIE Lab	99.07, -2.05, 7.89
CIE LCh	99, 8.153, 104.541
Yxy	97.6250, 0.3234, 0.3445
Android (android.graphics.Color)	4294966765 (0xFFFFFDED)
YUV	251.7740, -7.2836, 2.8292
Hunter-Lab	98.8054, -7.3440, 12.6907

# Details

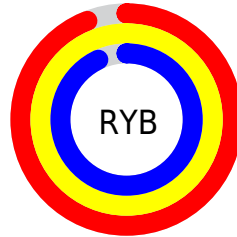
The Yxy color 97.6250, 0.3234, 0.3445 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.9251, 0.3018, 0.3130, and the grayscale version is 97.2055, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.8218, 0.3256, 0.3475 is the 20% darker color. If you saturate the color by 10%, you get 94.4857, 0.3392, 0.3671, and if you desaturate by 10%, it is 99.9987, 0.3127, 0.3290.

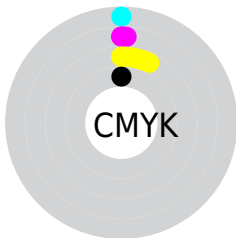
# Distribution



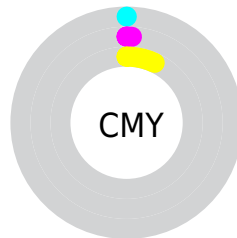
- Red (100%)
- Green (99%)
- Blue (93%)



- 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 97.6250, 0.3234, 0.3445 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 97.6250, 0.3234, 0.3445 by changing the saturation by 10% instead.



 97.6250, 0.3234,  
0.3445

 97.6250, 0.3234,  
0.3445

552.5349, 0.3187,  
0.3377

 74.3217, 0.3244,  
0.3460


157.8862, 0.3218,  
0.3422

 55.0574, 0.3256,  
0.3478

195.6129, 0.3212,  
0.3413

 39.4477, 0.3271,  
0.3500


238.9162, 0.3207,  
0.3405

 27.1082, 0.3290,  
0.3528

288.1804, 0.3202,  
0.3398

 17.6545, 0.3315,  
0.3565

343.7900, 0.3198,  
0.3392

 10.7022, 0.3349,  
0.3616

406.1293, 0.3194,

 5.8670, 0.3397,

0.3386

0.3689

475.5829, 0.3190,  
0.3381

■ 2.7644, 0.3472,  
0.3805

■ 1.0100, 0.3687,  
0.4108

■ 97.6250, 0.3234,  
0.3445

■ 97.6250, 0.3234,  
0.3445

■ 94.4857, 0.3392,  
0.3671

99.9987, 0.3127,  
0.3290

■ 91.5710, 0.3556,  
0.3901

■ 88.8757, 0.3721,  
0.4125

■ 86.3894, 0.3880,  
0.4337

■ 84.1005, 0.4029,  
0.4525

■ 81.9967, 0.4159,  
0.4679

■ 80.0635, 0.4265,  
0.4792

■ 78.2842, 0.4343,  
0.4859

■ 76.6375, 0.4393,  
0.4882

# Harmonies

## Analogous

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



97.6250, 0.3290, 0.3416



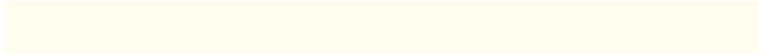
97.6250, 0.3234, 0.3445



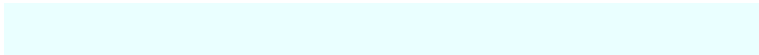
97.6250, 0.3150, 0.3432

# Triad

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



97.6250, 0.3234, 0.3445



97.6250, 0.2957, 0.3223



97.6250, 0.3192, 0.3204

# Complementary

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



97.6250, 0.3234, 0.3445



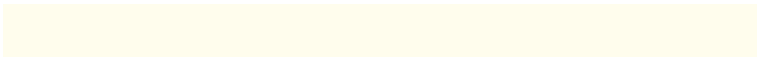
86.9251, 0.3018, 0.3130

# Split Complementary

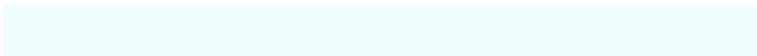
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6250, 0.3102, 0.3154



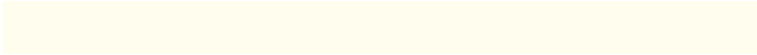
97.6250, 0.3234, 0.3445



97.6250, 0.2967, 0.3163

# Square

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



97.6250, 0.3234, 0.3445



97.6250, 0.2991, 0.3302



97.6250, 0.3020, 0.3138



97.6250, 0.3265, 0.3276



# Rectangle

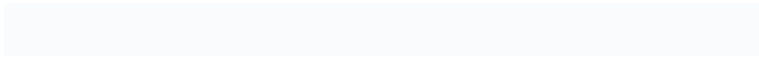
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.6250, 0.3234, 0.3445



97.6250, 0.3090, 0.3400



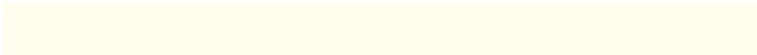
97.6250, 0.3020, 0.3138



97.6250, 0.3163, 0.3184

# Sweetspot

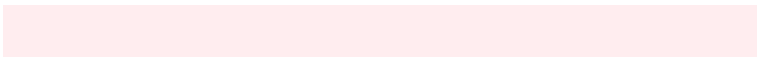
The Sweet Spot groups the original color and five complimentary colors.



97.6293, 0.3234, 0.3445



99.3185, 0.3157, 0.3333



88.0472, 0.3235, 0.3270



21.2654, 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.



97.6293, 0.3234, 0.3445



97.3320, 0.3248, 0.3466



97.6005, 0.3188, 0.3466



20.7293, 0.3272, 0.3500



39.9401, 0.4401, 0.4888



3.9822, 0.4374, 0.4909



# Inverse Universe

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



86.9251, 0.3018, 0.3130



85.2919, 0.3003, 0.3108



86.9833, 0.3063, 0.3113



17.6992, 0.2979, 0.3071



4.3101, 0.1521, 0.0676

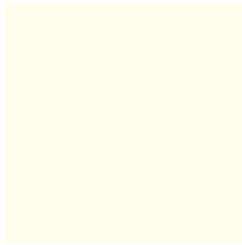


0.5195, 0.1560, 0.0815



# Previews

## White Background



This preview shows how the Yxy color 97.6250, 0.3234, 0.3445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

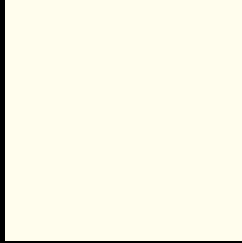
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.6250, 0.3234, 0.3445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

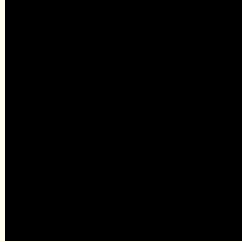
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.6250, 0.3234, 0.3445**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.6250, 0.3234, 0.3445.



This preview shows how white text looks on a background with the Yxy color 97.6250, 0.3234, 0.3445.

# 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

97.6250, 0.3234, 0.3445



### Protanopia

97.5962, 0.3175, 0.3338

### Deuteranopia

97.8458, 0.3152, 0.3300

## **Tritanopia**

97.9116, 0.3122, 0.3261

# Trichromacy

## Original Color

97.6250, 0.3234, 0.3445

## Protanomaly

97.3519, 0.3199, 0.3377

## Deuteranomaly

97.5346, 0.3181, 0.3348

## Tritanomaly

97.4689, 0.3163, 0.3328

# Monochromacy

## Original Color

97.6250, 0.3234, 0.3445

## 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 97.6250, 0.3234, 0.3445 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 97.6250, 0.3234, 0.3445 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, 237) }
```

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

```
.border{ border-color:rgb(255, 253, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.6250, 0.3234, 0.3445 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
253, 237) }
```

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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