

# Converting Colors

$Y_{xy}(100.0000, 0.3487, 0.3473)$

Have a look what the booklet for  
Yxy(100.0000, 0.3487, 0.3473)  
contains.

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# Color

**Yxy(93.9962, 0.3293, 0.3486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8E4
RGB	255, 248, 228
RGB Percent	100%, 97%, 89%
CMY	0.0002, 0.0273, 0.1059
CMYK	0.00, 0.03, 0.11, 0.00
HSL	45°, 100%, 95%
HSV	45°, 11%, 100%
XYZ	88.7922, 93.9962, 86.8508
YIQ	247.8130, 10.5920, -4.7360

# Conversions

## Conversions Part 2

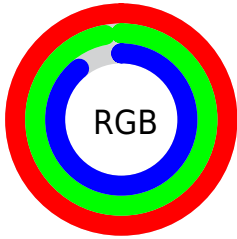
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 255, 228
Decimal	16775396
CIE <sub>Lab</sub>	97.63, -1.00, 10.43
CIE <sub>LCh</sub>	98, 10.481, 95.498
Yxy	93.9962, 0.3293, 0.3486
Android (android.graphics.Color)	4294965476 (0xFFFFF8E4)
YUV	247.8130, -9.7678, 6.3030
Hunter-Lab	96.9516, -6.1880, 14.7533

# Details

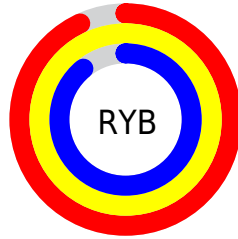
The Yxy color **93.9962, 0.3293, 0.3486** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.0661, 0.2961, 0.3086**, and the grayscale version is **93.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.7222, 0.3323, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **88.7366, 0.3464, 0.3679**, and if you desaturate by 10%, it is **99.6133, 0.3136, 0.3300**.

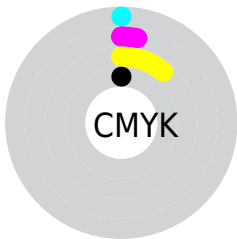
# Distribution



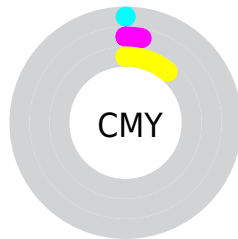
- Red (100%)
- Green (97%)
- Blue (89%)



- Red (93%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.9962, 0.3293, 0.3486 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 93.9962, 0.3293, 0.3486 by changing the saturation by 10% instead.




 93.9962, 0.3293,  
0.3486

 93.9962, 0.3293,  
0.3486


540.9464, 0.3220,  
0.3399

 71.2998, 0.3309,  
0.3505

152.8771, 0.3268,  
0.3457

 52.5869, 0.3328,  
0.3528


189.8304, 0.3258,  
0.3445

 37.4731, 0.3352,  
0.3557


232.3047, 0.3250,  
0.3435

 25.5740, 0.3383,  
0.3593

280.6845, 0.3242,  
0.3426

 16.5052, 0.3422,  
0.3641

335.3542, 0.3236,  
0.3418

 9.8824, 0.3477,  
0.3706

396.6982, 0.3230,

 5.3210, 0.3555,

0.3411

0.3801

465.1008, 0.3225,  
0.3405

■ 2.4368, 0.3677,  
0.3950

■ 0.8447, 0.4292,  
0.4658

■ 93.9962, 0.3293,  
0.3486

■ 93.9962, 0.3293,  
0.3486

■ 88.7366, 0.3464,  
0.3679

99.6133, 0.3136,  
0.3300

■ 83.8115, 0.3646,  
0.3875

99.9883, 0.3127,  
0.3290

■ 79.2139, 0.3836,  
0.4067

■ 74.9317, 0.4028,  
0.4246

■ 70.9519, 0.4214,  
0.4402

■ 67.2598, 0.4387,  
0.4523

■ 63.8391, 0.4537,  
0.4600

■ 60.6704, 0.4658,  
0.4628

■ 57.8856, 0.4746,  
0.4614

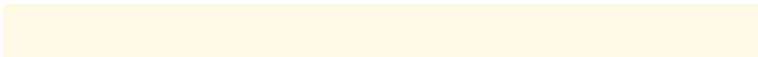
# Harmonies

## Analogous

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



93.9962, 0.3350, 0.3432



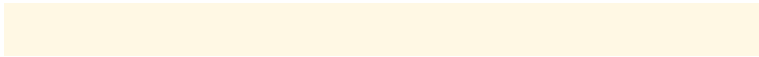
93.9962, 0.3293, 0.3486



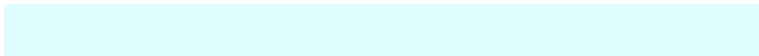
93.9962, 0.3192, 0.3487

# Triad

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



93.9962, 0.3293, 0.3486



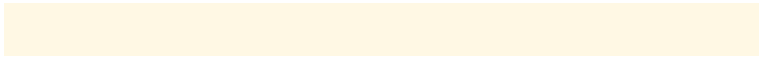
93.9962, 0.2913, 0.3231



93.9962, 0.3177, 0.3155

# Complementary

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



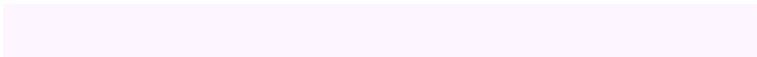
93.9962, 0.3293, 0.3486



83.0661, 0.2961, 0.3086

# Split Complementary

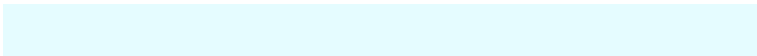
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9962, 0.3060, 0.3102



93.9962, 0.3293, 0.3486



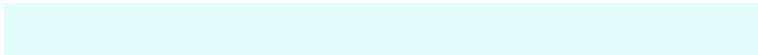
93.9962, 0.2909, 0.3144

# Square

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



93.9962, 0.3293, 0.3486



93.9962, 0.2973, 0.3337



93.9962, 0.2962, 0.3097

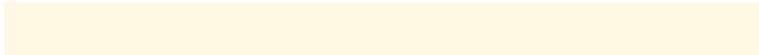


93.9962, 0.3282, 0.3242



# Rectangle

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



93.9962, 0.3293, 0.3486



93.9962, 0.3114, 0.3456



93.9962, 0.2962, 0.3097



93.9962, 0.3138, 0.3132

# Sweetspot

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



94.0003, 0.3293, 0.3486



98.2717, 0.3173, 0.3345



82.7359, 0.3268, 0.3219



20.9365, 0.3185, 0.3359



0.0000, 0.0000, 0.0000

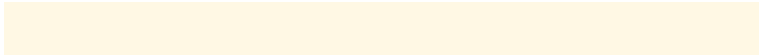


21.4041, 0.3127, 0.3290

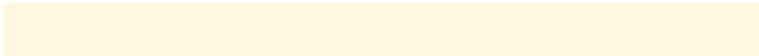


# Same Dimension

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



94.0003, 0.3293, 0.3486



92.7414, 0.3333, 0.3532



97.1569, 0.3245, 0.3555



20.2557, 0.3276, 0.3466



30.5160, 0.4734, 0.4623



3.1469, 0.4659, 0.4683



# Inverse Universe

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



83.0661, 0.2961, 0.3086



79.5151, 0.2921, 0.3035



80.2344, 0.3002, 0.3018



18.1348, 0.2979, 0.3108



5.9730, 0.1583, 0.0898

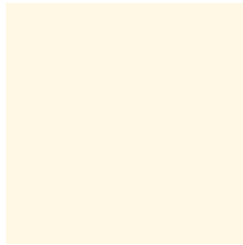


0.7483, 0.1641, 0.1108



# Previews

## White Background



This preview shows how the Yxy color 93.9962, 0.3293, 0.3486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

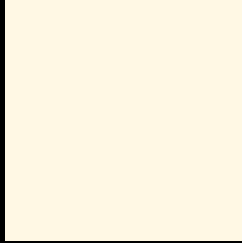
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.9962, 0.3293, 0.3486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

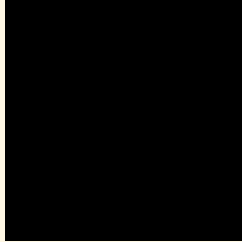
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.9962, 0.3293, 0.3486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.9962, 0.3293, 0.3486.

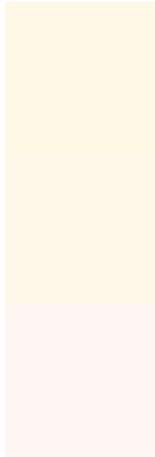


This preview shows how white text looks on a background with the Yxy color 93.9962, 0.3293, 0.3486.

# 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

93.9962, 0.3293, 0.3486

### Protanopia

94.2780, 0.3263, 0.3436

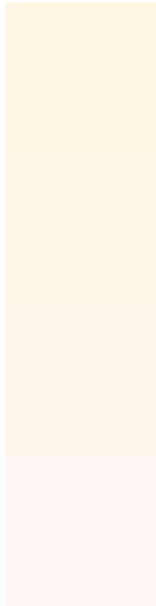
### Deuteranopia

93.7032, 0.3197, 0.3310

## Tritanopia

94.2024, 0.3125, 0.3204

# Trichromacy



## Original Color

93.9962, 0.3293, 0.3486

## Protanomaly

94.1643, 0.3275, 0.3456

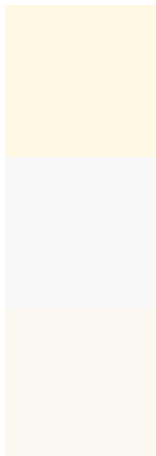
## Deuteranomaly

93.9546, 0.3233, 0.3378

## Tritanomaly

94.1849, 0.3184, 0.3309

# Monochromacy



## Original Color

93.9962, 0.3293, 0.3486

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

93.9949, 0.3188, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.9962, 0.3293, 0.3486 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, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 228)  
}
```

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, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 93.9962, 0.3293, 0.3486 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, 248, 228) }
```

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

```
.border{ border-color:rgb(255, 248, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.9962, 0.3293, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 228) }
```

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

```
.background{ background-color: rgb(255,  
248, 228) }
```

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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