

# Converting Colors

$Y_{xy}(100.0000, 0.3524, 0.3471)$

Have a look what the booklet for  
Yxy(100.0000, 0.3524, 0.3471)  
contains.

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# Color

**Yxy(93.3276, 0.3301, 0.3486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7E3
RGB	255, 247, 227
RGB Percent	100%, 97%, 89%
CMY	0.0000, 0.0314, 0.1099
CMYK	0.00, 0.03, 0.11, 0.00
HSL	43°, 100%, 95%
HSV	43°, 11%, 100%
XYZ	88.3748, 93.3276, 86.0188
YIQ	247.1120, 11.1880, -4.5240

# Conversions

## Conversions Part 2

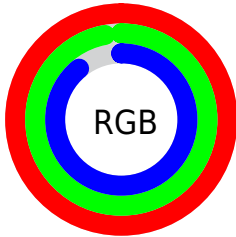
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 255, 227
Decimal	16775139
CIE Lab	97.36, -0.61, 10.56
CIE LCh	97, 10.579, 93.291
Yxy	93.3276, 0.3301, 0.3486
Android (android.graphics.Color)	4294965219 (0xFFFFF7E3)
YUV	247.1120, -9.9152, 6.9178
Hunter-Lab	96.6062, -5.7702, 14.8321

# Details

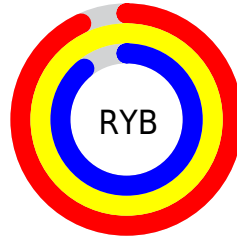
The Yxy color 93.3276, 0.3301, 0.3486 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.9608, 0.2955, 0.3086, and the grayscale version is 93.1789, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.2459, 0.3333, 0.3527 is the 20% darker color. If you saturate the color by 10%, you get 87.6492, 0.3474, 0.3672, and if you desaturate by 10%, it is 99.3820, 0.3142, 0.3307.

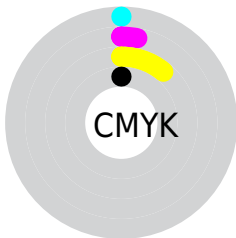
# Distribution



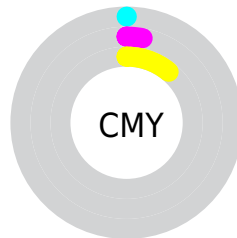
- Red (100%)
- Green (97%)
- Blue (89%)



- 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 93.3276, 0.3301, 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 93.3276, 0.3301, 0.3486 by changing the saturation by 10% instead.




 93.3276, 0.3301,  
0.3486

 93.3276, 0.3301,  
0.3486


538.7970, 0.3224,  
0.3399

 70.7438, 0.3318,  
0.3505


151.9521, 0.3275,  
0.3457

 52.1332, 0.3338,  
0.3528

188.7616, 0.3265,  
0.3445

 37.1112, 0.3363,  
0.3557


231.0818, 0.3256,  
0.3435

 25.2936, 0.3395,  
0.3593

279.2971, 0.3248,  
0.3426

 16.2960, 0.3437,  
0.3641

333.7918, 0.3241,  
0.3418

 9.7338, 0.3495,  
0.3706

394.9505, 0.3235,

 5.2228, 0.3578,

0.3411

0.3801

463.1574, 0.3229,  
0.3405

■ 2.3786, 0.3708,  
0.3951

■ 0.8148, 0.4408,  
0.4728

■ 93.3276, 0.3301,  
0.3486

■ 93.3276, 0.3301,  
0.3486

■ 87.6492, 0.3474,  
0.3672

■ 99.3820, 0.3142,  
0.3307

■ 82.3457, 0.3660,  
0.3862

■ 100.0000, 0.3127,  
0.3290

■ 77.4020, 0.3856,  
0.4047

■ 72.8055, 0.4055,  
0.4220

■ 68.5423, 0.4252,  
0.4369

■ 64.5972, 0.4435,  
0.4484

■ 60.9532, 0.4596,  
0.4554

■ 57.5900, 0.4728,  
0.4574

■ 54.7717, 0.4822,  
0.4554

# Harmonies

## Analogous

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



93.3276, 0.3355, 0.3428



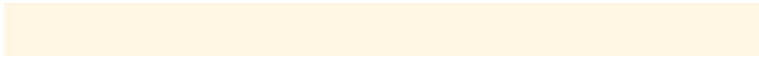
93.3276, 0.3301, 0.3486



93.3276, 0.3201, 0.3491

# Triad

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



93.3276, 0.3301, 0.3486



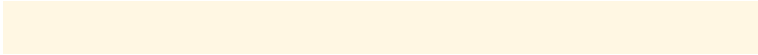
93.3276, 0.2913, 0.3238



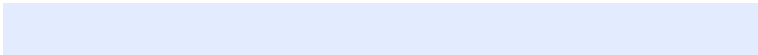
93.3276, 0.3169, 0.3148

# Complementary

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



93.3276, 0.3301, 0.3486



82.9608, 0.2955, 0.3086

# Split Complementary

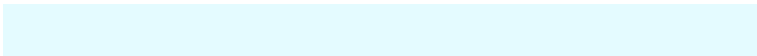
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3276, 0.3051, 0.3098



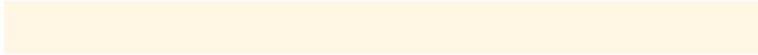
93.3276, 0.3301, 0.3486



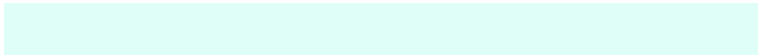
93.3276, 0.2905, 0.3147

# Square

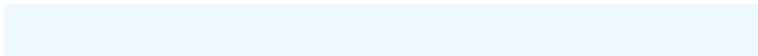
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.3276, 0.3301, 0.3486



93.3276, 0.2978, 0.3345



93.3276, 0.2954, 0.3097

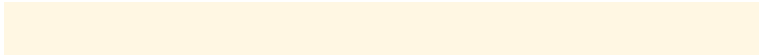


93.3276, 0.3277, 0.3234



# Rectangle

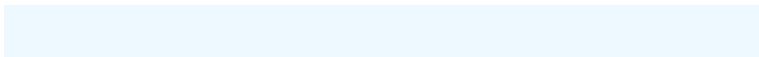
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.3276, 0.3301, 0.3486



93.3276, 0.3122, 0.3462



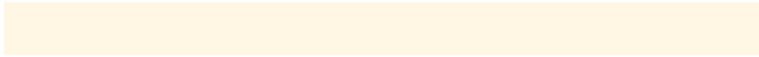
93.3276, 0.2954, 0.3097



93.3276, 0.3129, 0.3126

# Sweetspot

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



93.3242, 0.3301, 0.3486



98.1303, 0.3173, 0.3342



82.2121, 0.3268, 0.3207



20.8982, 0.3185, 0.3357



0.0000, 0.0000, 0.0000

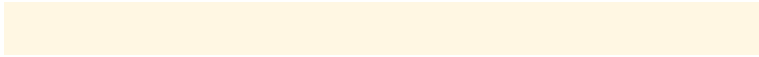


21.4041, 0.3127, 0.3290



# Same Dimension

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



93.3242, 0.3301, 0.3486



92.1505, 0.3335, 0.3523



97.2782, 0.3255, 0.3565



20.1620, 0.3276, 0.3459



28.8872, 0.4809, 0.4564



2.9994, 0.4722, 0.4633



# Inverse Universe

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



82.9608, 0.2955, 0.3086



80.0583, 0.2921, 0.3046



79.4060, 0.2990, 0.3006



18.2230, 0.2979, 0.3115



6.4717, 0.1600, 0.0961

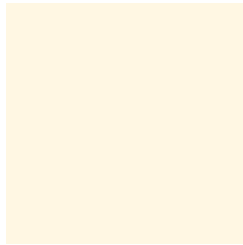


0.8070, 0.1661, 0.1177



# Previews

## White Background



This preview shows how the Yxy color 93.3276, 0.3301, 0.3486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

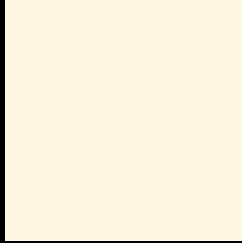
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.3276, 0.3301, 0.3486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

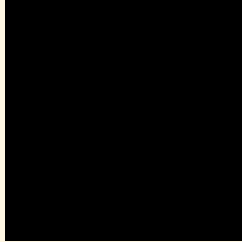
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.3276, 0.3301, 0.3486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.3276, 0.3301, 0.3486.

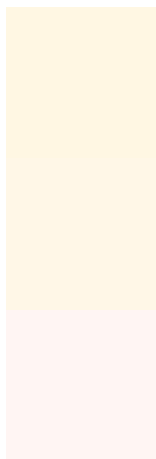


This preview shows how white text looks on a background with the Yxy color 93.3276, 0.3301, 0.3486.

# 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

93.3276, 0.3301, 0.3486

### Protanopia

93.5511, 0.3276, 0.3446

### Deuteranopia

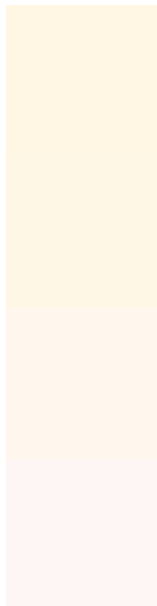
93.0359, 0.3204, 0.3310



## Tritanopia

92.9922, 0.3126, 0.3185

# Trichromacy



## Original Color

93.3276, 0.3301, 0.3486

## Protanomaly

93.4947, 0.3282, 0.3456

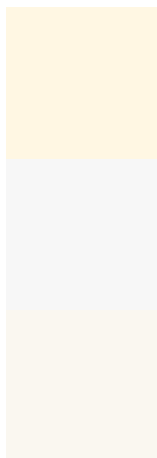
## Deuteranomaly

93.2860, 0.3240, 0.3378

## Tritanomaly

92.9682, 0.3185, 0.3290

# Monochromacy



## Original Color

93.3276, 0.3301, 0.3486

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.1368, 0.3188, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.3276, 0.3301, 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, 247, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 227)  
}
```

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, 247, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 93.3276, 0.3301, 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, 247, 227) }
```

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

```
.border{ border-color:rgb(255, 247, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.3276, 0.3301, 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, 247, 227) }
```

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

```
.background{ background-color: rgb(255,  
247, 227) }
```

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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