

# Converting Colors

$Y_{xy}(100.0000, 0.3528, 0.3445)$

Have a look what the booklet for  
Yxy(100.0000, 0.3528, 0.3445)  
contains.

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# Color

**Yxy(92.8287, 0.3289, 0.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6E5
RGB	255, 246, 229
RGB Percent	100%, 96%, 90%
CMY	0.0003, 0.0352, 0.1020
CMYK	0.00, 0.03, 0.10, 0.00
HSL	39°, 99%, 95%
HSV	39°, 10%, 100%
XYZ	88.3175, 92.8287, 87.3777
YIQ	246.7530, 10.8210, -3.3790

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">243, 255, 229</a>
Decimal	<a href="#">16774885</a>
CIELab	<a href="#">97.16, 0.16, 9.24</a>
CIELCh	<a href="#">97, 9.245, 89.011</a>
Yxy	<a href="#">92.8287, 0.3289, 0.3457</a>
Android (android.graphics.Color)	<a href="#">4294964965</a> ( <a href="#">0xFFFFF6E5</a> )
YUV	<a href="#">246.7530, -8.7522, 7.2326</a>
Hunter-Lab	<a href="#">96.3477, -4.9856, 13.6733</a>

# Details

The Yxy color **92.8287, 0.3289, 0.3457** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.9526, 0.2968, 0.3117**, and the grayscale version is **92.8615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8887, 0.3318, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **86.3152, 0.3465, 0.3629**, and if you desaturate by 10%, it is **99.8100, 0.3130, 0.3293**.

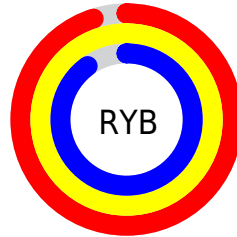
# Distribution



Red (100%)

Green (96%)

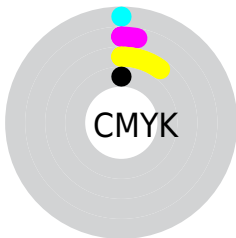
Blue (90%)



Red (95%)

Yellow (100%)

Blue (90%)



Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.8287, 0.3289, 0.3457 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 92.8287, 0.3289, 0.3457 by changing the saturation by 10% instead.



 92.8287, 0.3289,  
0.3457

 92.8287, 0.3289,  
0.3457


537.1902, 0.3217,  
0.3383

 70.3291, 0.3305,  
0.3473


151.2614, 0.3265,  
0.3432

 51.7949, 0.3324,  
0.3493


187.9634, 0.3255,  
0.3422

 36.8416, 0.3347,  
0.3517


230.1683, 0.3247,  
0.3413

 25.0849, 0.3377,  
0.3548

278.2604, 0.3239,  
0.3406

 16.1403, 0.3417,  
0.3589

332.6243, 0.3233,  
0.3399

 9.6235, 0.3471,  
0.3644

393.6443, 0.3227,

 5.1500, 0.3550,

0.3393

0.3725

461.7048, 0.3222,  
0.3388

■ 2.3356, 0.3675,  
0.3853

■ 0.7924, 0.4287,  
0.4487

■ 92.8287, 0.3289,  
0.3457

■ 92.8287, 0.3289,  
0.3457

■ 86.3152, 0.3465,  
0.3629

99.8100, 0.3130,  
0.3293

■ 80.2448, 0.3657,  
0.3804

99.9870, 0.3127,  
0.3290

■ 74.6084, 0.3863,  
0.3978

■ 69.3917, 0.4078,  
0.4140

■ 64.5797, 0.4294,  
0.4281

■ 60.1556, 0.4502,  
0.4389

■ 56.1008, 0.4691,  
0.4452

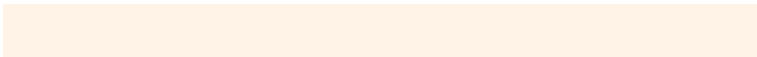
■ 52.3937, 0.4851,  
0.4464

■ 49.0592, 0.4977,  
0.4430

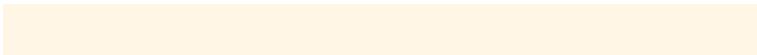
# Harmonies

## Analogous

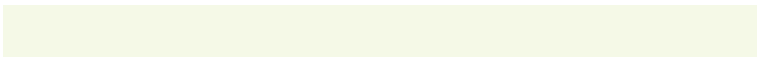
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8287, 0.3328, 0.3401



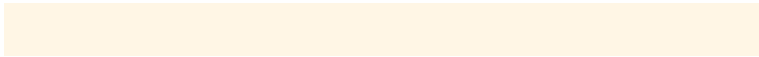
92.8287, 0.3289, 0.3457



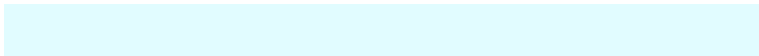
92.8287, 0.3206, 0.3468

# Triad

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



92.8287, 0.3289, 0.3457



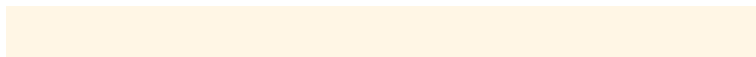
92.8287, 0.2945, 0.3258



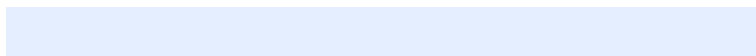
92.8287, 0.3149, 0.3157

# Complementary

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



92.8287, 0.3289, 0.3457



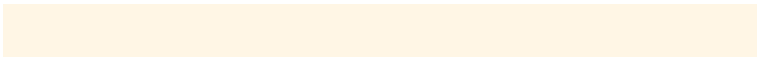
84.9526, 0.2968, 0.3117

# Split Complementary

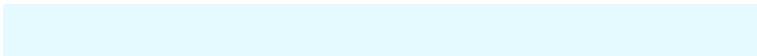
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8287, 0.3046, 0.3118



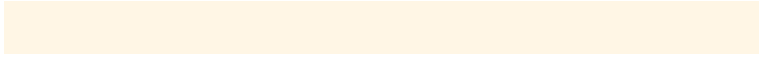
92.8287, 0.3289, 0.3457



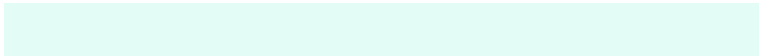
92.8287, 0.2930, 0.3175

# Square

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



92.8287, 0.3289, 0.3457



92.8287, 0.3008, 0.3352



92.8287, 0.2967, 0.3124

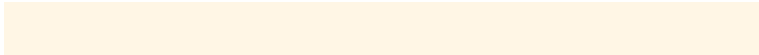


92.8287, 0.3247, 0.3229



# Rectangle

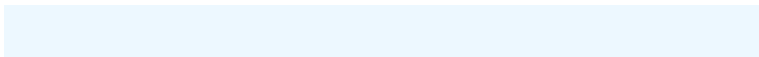
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.8287, 0.3289, 0.3457



92.8287, 0.3138, 0.3447



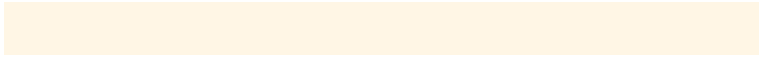
92.8287, 0.2967, 0.3124



92.8287, 0.3114, 0.3139

# Sweetspot

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



92.8328, 0.3289, 0.3457



97.8540, 0.3173, 0.3338



83.4529, 0.3248, 0.3201



20.8236, 0.3186, 0.3351



0.0000, 0.0000, 0.0000

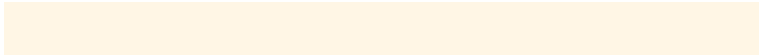


21.4041, 0.3127, 0.3290



# Same Dimension

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



92.8328, 0.3289, 0.3457



91.6678, 0.3320, 0.3488



97.6490, 0.3254, 0.3544



19.9798, 0.3278, 0.3446



25.9388, 0.4961, 0.4443

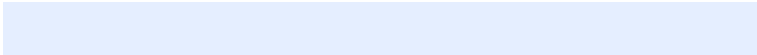


2.7291, 0.4851, 0.4531

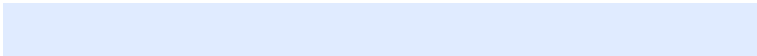


# Inverse Universe

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



84.9526, 0.2968, 0.3117



82.4892, 0.2938, 0.3084



80.5473, 0.2992, 0.3027



18.3965, 0.2979, 0.3129



7.6235, 0.1639, 0.1100

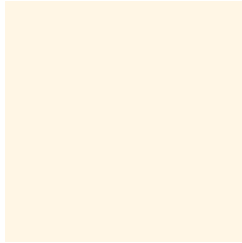


0.9362, 0.1701, 0.1324



# Previews

## White Background



This preview shows how the Yxy color 92.8287, 0.3289, 0.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

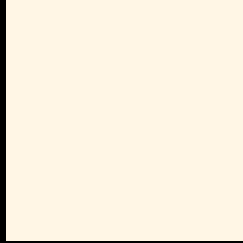
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8287, 0.3289, 0.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

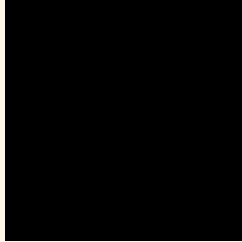
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.8287, 0.3289, 0.3457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.8287, 0.3289, 0.3457.

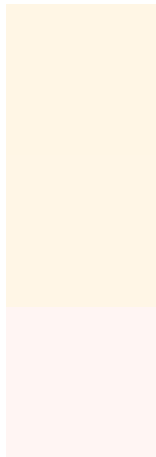


This preview shows how white text looks on a background with the Yxy color 92.8287, 0.3289, 0.3457.

# 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

92.8287, 0.3289, 0.3457

### Protanopia

92.8847, 0.3283, 0.3447

### Deuteranopia

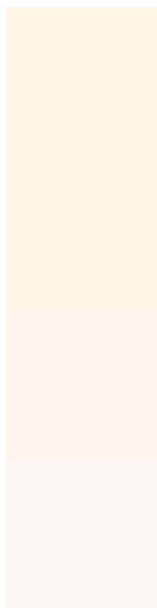
93.0359, 0.3204, 0.3310



## Tritanopia

92.9922, 0.3126, 0.3185

# Trichromacy



## Original Color

92.8287, 0.3289, 0.3457

## Protanomaly

92.8847, 0.3283, 0.3447

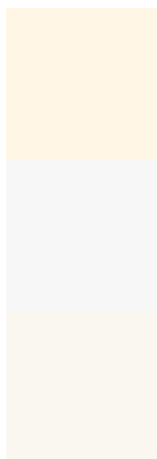
## Deuteranomaly

92.7379, 0.3235, 0.3358

## Tritanomaly

93.0295, 0.3179, 0.3281

# Monochromacy



## Original Color

92.8287, 0.3289, 0.3457

## 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 92.8287, 0.3289, 0.3457 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, 246, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 229)  
}
```

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, 246, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8287, 0.3289, 0.3457 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, 246, 229) }
```

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

```
.border{ border-color:rgb(255, 246, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8287, 0.3289, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 229) }
```

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

```
.background{ background-color: rgb(255,  
246, 229) }
```

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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