

# Converting Colors

Yxy(93.0589, 0.3102, 0.3345)

Have a look what the booklet for  
Yxy(93.0589, 0.3102, 0.3345)  
contains.

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# Color

**Yxy(92.8083, 0.3100, 0.3340)**

# Conversions

Conversions Part 1	
Format	Color
Hex	F0F9F4
RGB	240, 249, 244
RGB Percent	94%, 98%, 96%
CMY	0.0587, 0.0235, 0.0433
CMYK	0.04, 0.00, 0.02, 0.02
HSL	146°, 43%, 96%
HSV	146°, 4%, 98%
XYZ	86.1394, 92.8083, 98.9214
YIQ	245.7390, -3.7590, -3.4630

# Conversions

## Conversions Part 2

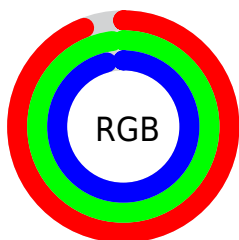
Format	Color
<a href="#">RYB</a>	<a href="#">240, 246, 249</a>
Decimal	<a href="#">15792628</a>
CIELab	<a href="#">97.15, -3.85, 1.38</a>
CIELCh	<a href="#">97, 4.089, 160.261</a>
Yxy	<a href="#">92.8083, 0.3100, 0.3340</a>
Android (android.graphics.Color)	<a href="#">4293982708</a> (0xFFFF0F9F4)
YUV	<a href="#">245.7390, -0.8573, -5.0331</a>
Hunter-Lab	<a href="#">96.3371, -8.9847, 6.5554</a>

# Details

The Yxy color 92.8083, 0.3100, 0.3340 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.0721, 0.3155, 0.3241, and the grayscale version is 91.9494, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.9611, 0.3092, 0.3353 is the 20% darker color. If you saturate the color by 10%, you get 87.9297, 0.3025, 0.3490, and if you desaturate by 10%, it is 96.2341, 0.3130, 0.3233.

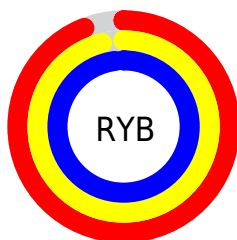
# Distribution



Red (94%)

Green (98%)

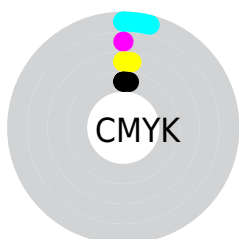
Blue (96%)



Red (94%)

Yellow (96%)

Blue (98%)

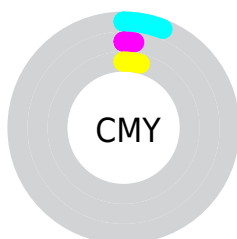


Cyan (4%)

Magenta (0%)

Yellow (2%)

Black (2%)



Cyan (6%)

Magenta (2%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.8083, 0.3100, 0.3340 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 92.8083, 0.3100, 0.3340 by changing the saturation by 10% instead.




 92.8083, 0.3100,  
0.3340

 92.8083, 0.3100,  
0.3340


537.1244, 0.3112,  
0.3318

 70.3122, 0.3097,  
0.3345


151.2332, 0.3104,  
0.3332

 51.7811, 0.3094,  
0.3351


187.9307, 0.3106,  
0.3330

 36.8306, 0.3090,  
0.3358


230.1309, 0.3107,  
0.3327

 25.0764, 0.3085,  
0.3368

278.2180, 0.3108,  
0.3325

 16.1340, 0.3078,  
0.3380

332.5766, 0.3109,  
0.3323

 9.6190, 0.3069,  
0.3397


393.5909, 0.3110,


 5.1471, 0.3055,


0.3321


0.3422


461.6454, 0.3111,  
0.3319


 2.3338, 0.3033,  
0.3463


 0.7915, 0.2972,  
0.3573


 92.8083, 0.3100,  
0.3340


 92.8083, 0.3100,  
0.3340


 87.9297, 0.3025,  
0.3490


 96.2341, 0.3130,  
0.3233


 83.6842, 0.2953,  
0.3658


 80.0485, 0.2886,  
0.3844


 76.9931, 0.2828,  
0.4044

 74.4863, 0.2781,  
0.4258

 72.4931, 0.2749,  
0.4479

 70.9741, 0.2735,  
0.4703

 69.8840, 0.2741,  
0.4920

 69.1680, 0.2767,  
0.5124

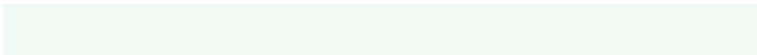
# Harmonies

## Analogous

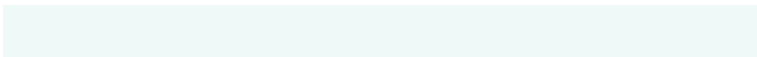
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8083, 0.3146, 0.3364



92.8083, 0.3100, 0.3340



92.8083, 0.3062, 0.3302

# Triad

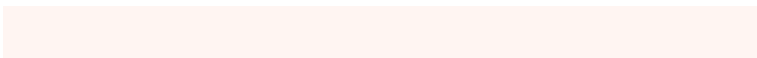
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.8083, 0.3100, 0.3340



92.8083, 0.3068, 0.3213



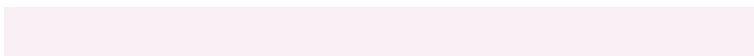
92.8083, 0.3214, 0.3318

# Complementary

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



92.8083, 0.3100, 0.3340



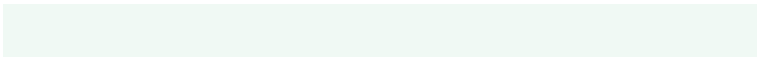
89.0721, 0.3155, 0.3241

# Split Complementary

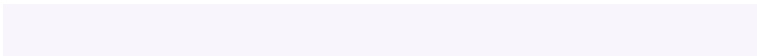
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8083, 0.3193, 0.3278



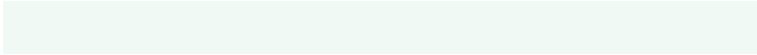
92.8083, 0.3100, 0.3340



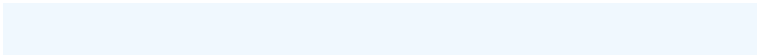
92.8083, 0.3108, 0.3218

# Square

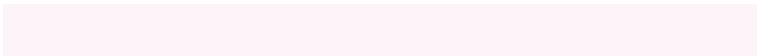
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



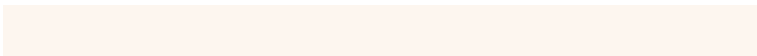
92.8083, 0.3100, 0.3340



92.8083, 0.3043, 0.3229



92.8083, 0.3154, 0.3241

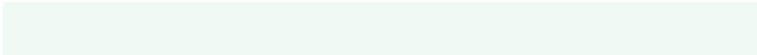


92.8083, 0.3212, 0.3351

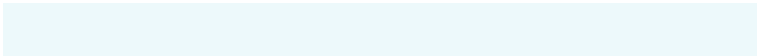


# Rectangle

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



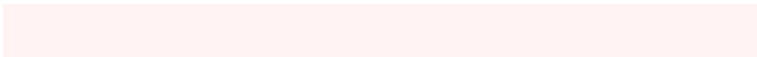
92.8083, 0.3100, 0.3340



92.8083, 0.3045, 0.3275



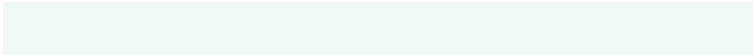
92.8083, 0.3154, 0.3241



92.8083, 0.3210, 0.3305

# Sweetspot

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



92.8123, 0.3100, 0.3340



99.4275, 0.3120, 0.3304



93.4796, 0.3155, 0.3379



21.2876, 0.3120, 0.3303



0.0000, 0.0000, 0.0000

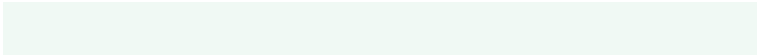


21.4041, 0.3127, 0.3290



# Same Dimension

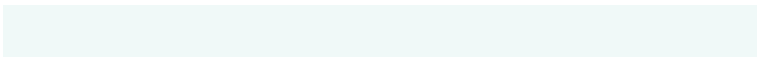
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8123, 0.3100, 0.3340



97.7523, 0.3097, 0.3346



93.0861, 0.3074, 0.3296



19.9467, 0.3091, 0.3356



36.8834, 0.2782, 0.5215

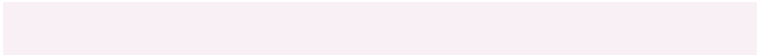


3.4369, 0.2717, 0.4982



# Inverse Universe

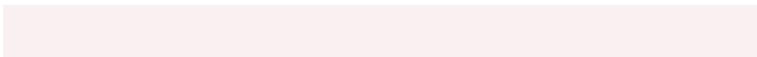
The Inverse Universe completely reimagines the original color for something new.



89.0721, 0.3155, 0.3241



93.3799, 0.3158, 0.3235



88.8031, 0.3183, 0.3284



18.8897, 0.3165, 0.3225



11.8248, 0.4698, 0.2361

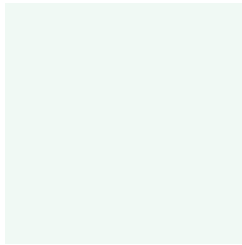


1.1165, 0.4470, 0.2236



# Previews

## White Background



This preview shows how the Yxy color 92.8083, 0.3100, 0.3340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

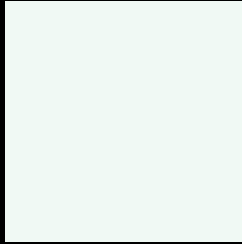
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8083, 0.3100, 0.3340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

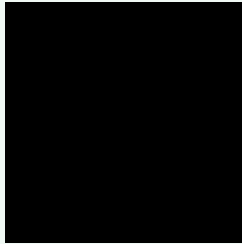
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

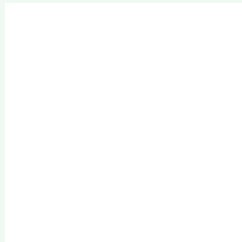
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.8083, 0.3100, 0.3340**

## Background



This preview shows how black text looks on a background with the Yxy color 92.8083, 0.3100, 0.3340.

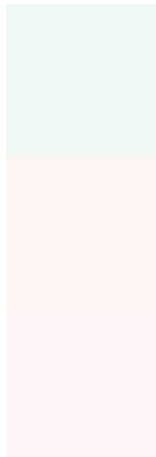


This preview shows how white text looks on a background with the Yxy color 92.8083, 0.3100, 0.3340.

# 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

92.8083, 0.3100, 0.3340

### Protanopia

92.4111, 0.3191, 0.3319

### Deuteranopia

92.6152, 0.3186, 0.3271



## Tritanopia

92.5440, 0.3068, 0.3202

# Trichromacy

	<b>Original Color</b> 92.8083, 0.3100, 0.3340
	<b>Protanomaly</b> 92.3391, 0.3158, 0.3320
	<b>Deuteranomaly</b> 92.8281, 0.3159, 0.3300
	<b>Tritanomaly</b> 92.5412, 0.3078, 0.3251

# Monochromacy

	<b>Original Color</b> 92.8083, 0.3100, 0.3340
	<b>Achromatopsia</b> 92.1582, 0.3127, 0.3290
	<b>Achromatomaly</b> 92.3472, 0.3120, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.8083, 0.3100, 0.3340 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(240, 249, 244) looks like.

```
.text, #text, p{  
    color:rgb(240, 249, 244)  
}
```

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(240, 249, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 249, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8083, 0.3100, 0.3340 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(240, 249, 244) }
```

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

```
.border{ border-color:rgb(240, 249, 244) }
```

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

Here you see how a box with a 4 pixel rgb(240, 249, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 249, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 249, 244);  
box-shadow:4px 4px 4px 4px rgb(240, 249,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8083, 0.3100, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 249, 244) }
```

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

```
.background{ background-color: rgb(240,  
249, 244) }
```

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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