

# Converting Colors

$Y_{xy}(100.0000, 0.3339, 0.3284)$

Have a look what the booklet for  
Yxy(100.0000, 0.3339, 0.3284)  
contains.

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# **Color**

**Yxy(94.5588, 0.3172, 0.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7F8
RGB	255, 247, 248
RGB Percent	100%, 97%, 97%
CMY	0.0003, 0.0312, 0.0275
CMYK	0.00, 0.03, 0.03, 0.00
HSL	353°, 98%, 98%
HSV	353°, 3%, 100%
XYZ	91.4174, 94.5588, 102.2250
YIQ	249.5060, 4.4470, 2.0070

# Conversions

## Conversions Part 2

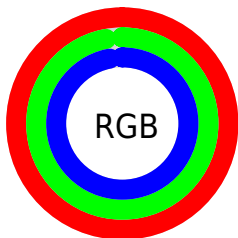
Format	Color
<a href="#">RYB</a>	<a href="#">255, 247, 248</a>
Decimal	<a href="#">16775160</a>
CIELab	<a href="#">97.86, 2.79, 0.47</a>
CIElCh	<a href="#">98, 2.830, 9.505</a>
Yxy	<a href="#">94.5588, 0.3172, 0.3281</a>
Android (android.graphics.Color)	<a href="#">4294965240</a> ( <a href="#">0xFFFFF7F8</a> )
YUV	<a href="#">249.5060, -0.7425, 4.8182</a>
Hunter-Lab	<a href="#">97.2413, -2.3630, 5.7403</a>

# Details

The Yxy color 94.5588, 0.3172, 0.3281 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.3984, 0.3084, 0.3299, and the grayscale version is 95.1659, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.0731, 0.3177, 0.3278 is the 20% darker color. If you saturate the color by 10%, you get 78.7109, 0.3340, 0.3251, and if you desaturate by 10%, it is 99.9834, 0.3127, 0.3290.

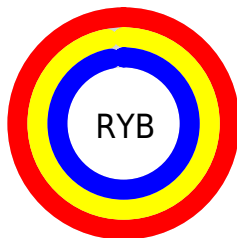
# Distribution



Red (100%)

Green (97%)

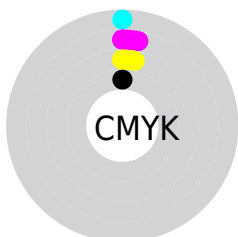
Blue (97%)



Red (100%)

Yellow (97%)

Blue (97%)

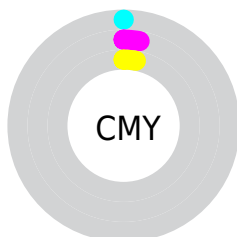


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.5588, 0.3172, 0.3281 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 94.5588, 0.3172, 0.3281 by changing the saturation by 10% instead.



 94.5588, 0.3172,  
0.3281

 94.5588, 0.3172,  
0.3281

542.7516, 0.3152,  
0.3285

 71.7678, 0.3176,  
0.3280


153.6549, 0.3165,  
0.3282

 52.9690, 0.3182,  
0.3279


190.7289, 0.3163,  
0.3283

 37.7780, 0.3188,  
0.3278


233.3326, 0.3160,  
0.3283

 25.8105, 0.3196,  
0.3276

281.8505, 0.3158,  
0.3284

 16.6819, 0.3207,  
0.3274

336.6669, 0.3157,  
0.3284

 10.0080, 0.3222,  
0.3270

398.1663, 0.3155,

 5.4042, 0.3244,

0.3285

0.3266

466.7331, 0.3154,  
0.3285

■ 2.4863, 0.3278,  
0.3258

■ 0.8698, 0.3343,  
0.3245

■ 94.5588, 0.3172,  
0.3281

■ 94.5588, 0.3172,  
0.3281

■ 78.7109, 0.3340,  
0.3251

99.9834, 0.3127,  
0.3290

■ 65.0652, 0.3549,  
0.3218

■ 53.5280, 0.3808,  
0.3185

■ 43.9940, 0.4126,  
0.3154

■ 36.3488, 0.4503,  
0.3129

■ 30.4664, 0.4932,  
0.3116

■ 26.2056, 0.5382,  
0.3120

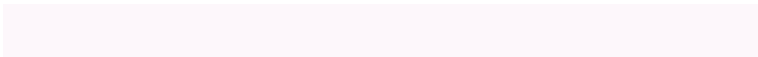
■ 23.4033, 0.5802,  
0.3148

■ 21.8621, 0.6129,  
0.3197

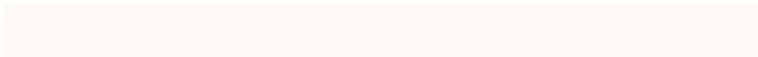
# Harmonies

## Analogous

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



94.5588, 0.3145, 0.3256



94.5588, 0.3172, 0.3281



94.5588, 0.3187, 0.3309

# Triad

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



94.5588, 0.3172, 0.3281



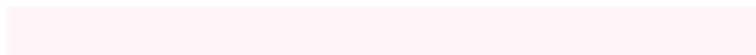
94.5588, 0.3141, 0.3341



94.5588, 0.3069, 0.3249

# Complementary

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



94.5588, 0.3172, 0.3281



98.3984, 0.3084, 0.3299

# Split Complementary

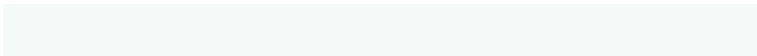
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.5588, 0.3068, 0.3271



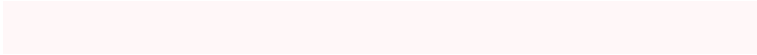
94.5588, 0.3172, 0.3281



94.5588, 0.3109, 0.3325

# Square

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



94.5588, 0.3172, 0.3281



94.5588, 0.3169, 0.3344



94.5588, 0.3083, 0.3299

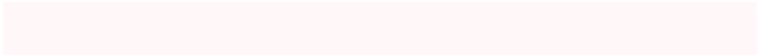


94.5588, 0.3086, 0.3237

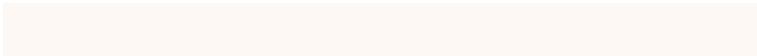


# Rectangle

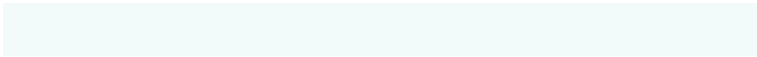
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.5588, 0.3172, 0.3281



94.5588, 0.3188, 0.3325



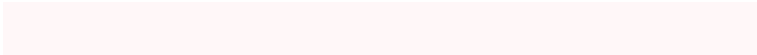
94.5588, 0.3083, 0.3299



94.5588, 0.3067, 0.3255

# Sweetspot

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



94.5629, 0.3172, 0.3281



98.2401, 0.3141, 0.3287



94.8025, 0.3124, 0.3215



21.0460, 0.3141, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

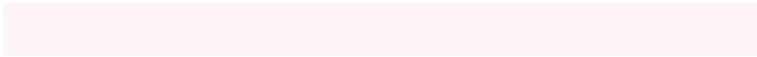


# Same Dimension

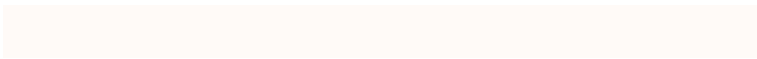
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.5629, 0.3172, 0.3281



93.0993, 0.3186, 0.3278



96.2849, 0.3176, 0.3318



19.6581, 0.3197, 0.3276



11.1707, 0.6255, 0.3219

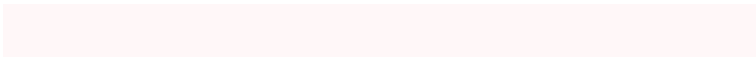


1.0984, 0.6015, 0.3087

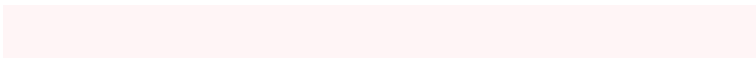


# Inverse Universe

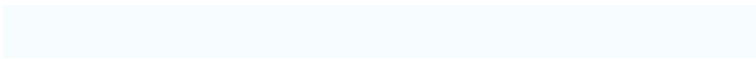
The Inverse Universe completely reimagines the original color for something new.



94.5629, 0.3172, 0.3281



93.0993, 0.3186, 0.3278



96.6311, 0.3079, 0.3262



19.6581, 0.3197, 0.3276



11.1707, 0.6255, 0.3219

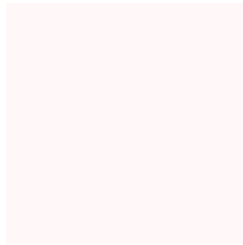


1.0984, 0.6015, 0.3087



# Previews

## White Background



This preview shows how the Yxy color 94.5588, 0.3172, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

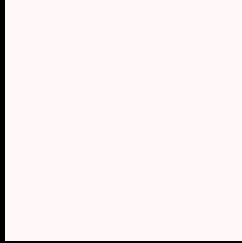
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.5588, 0.3172, 0.3281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

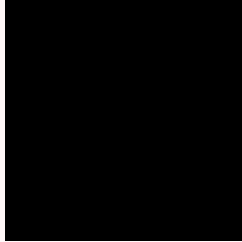
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.5588, 0.3172, 0.3281**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.5588, 0.3172, 0.3281.



This preview shows how white text looks on a background with the Yxy color 94.5588, 0.3172, 0.3281.

# 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

94.5588, 0.3172, 0.3281

### Protanopia

94.7948, 0.3159, 0.3290

### Deuteranopia

94.6211, 0.3166, 0.3271

## Tritanopia

94.4370, 0.3112, 0.3213

# Trichromacy



**Original Color**

94.5588, 0.3172, 0.3281

**Protanomaly**

94.9829, 0.3165, 0.3290

**Deuteranomaly**

94.6211, 0.3166, 0.3271

**Tritanomaly**

94.4325, 0.3136, 0.3242

# Monochromacy



**Original Color**

94.5588, 0.3172, 0.3281

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.4836, 0.3140, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.5588, 0.3172, 0.3281 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 94.5588, 0.3172, 0.3281 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, 248) }
```

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

```
.border{ border-color:rgb(255, 247, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.5588, 0.3172, 0.3281 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, 248) }
```

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

```
.background{ background-color: rgb(255,  
247, 248) }
```

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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