

# Converting Colors

$Y_{xy}(100.0000, 0.3433, 0.3248)$

Have a look what the booklet for  
Yxy(100.0000, 0.3433, 0.3248)  
contains.

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# Color

**Yxy(92.1385, 0.3175, 0.3242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3F8
RGB	255, 243, 248
RGB Percent	100%, 95%, 97%
CMY	0.0000, 0.0470, 0.0275
CMYK	0.00, 0.05, 0.03, 0.00
HSL	335°, 100%, 98%
HSV	335°, 5%, 100%
XYZ	90.2343, 92.1385, 101.8298
YIQ	247.1580, 5.5470, 4.0990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 243, 248
Decimal	16774136
CIE Lab	96.88, 4.88, -0.97
CIE LCh	97, 4.971, 348.756
Yxy	92.1385, 0.3175, 0.3242
Android (android.graphics.Color)	4294964216 (0xFFFFF3F8)
YUV	247.1580, 0.4151, 6.8774
Hunter-Lab	95.9888, -0.1813, 4.2943

# Details

The Yxy color 92.1385, 0.3175, 0.3242 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.4784, 0.3082, 0.3338, and the grayscale version is 93.1415, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.3522, 0.3180, 0.3229 is the 20% darker color. If you saturate the color by 10%, you get 77.0356, 0.3293, 0.3135, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (95%)

Blue (97%)



Red (100%)

Yellow (95%)

Blue (97%)



Cyan (0%)

Magenta (5%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.1385, 0.3175, 0.3242 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 92.1385, 0.3175, 0.3242 by changing the saturation by 10% instead.



 92.1385, 0.3175,  
0.3242

 92.1385, 0.3175,  
0.3242


534.9630, 0.3154,  
0.3263

 69.7557, 0.3180,  
0.3237

150.3053, 0.3168,  
0.3249

 51.3274, 0.3185,  
0.3232


186.8581, 0.3165,  
0.3252

 36.4692, 0.3192,  
0.3225


228.9030, 0.3163,  
0.3255

 24.7968, 0.3201,  
0.3216

276.8244, 0.3160,  
0.3257

 15.9257, 0.3213,  
0.3204

331.0068, 0.3158,  
0.3259

 9.4716, 0.3229,  
0.3188

391.8344, 0.3157,

 5.0501, 0.3252,

0.3260

0.3165

459.6917, 0.3155,  
0.3262

■ 2.2767, 0.3290,  
0.3127

■ 0.7613, 0.3370,  
0.3044

■ 92.1385, 0.3175,  
0.3242

■ 92.1385, 0.3175,  
0.3242

■ 77.0356, 0.3293,  
0.3135

100.0000, 0.3127,  
0.3290

■ 64.0344, 0.3436,  
0.3023

■ 53.0433, 0.3609,  
0.2910

■ 43.9604, 0.3815,  
0.2800

■ 36.6747, 0.4055,  
0.2703

■ 31.0638, 0.4328,  
0.2630

■ 26.9898, 0.4624,  
0.2594

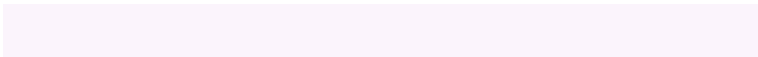
■ 24.2924, 0.4927,  
0.2607

■ 22.7749, 0.5217,  
0.2674

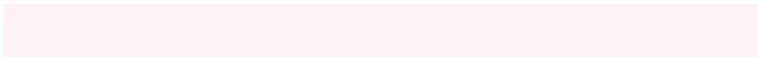
# Harmonies

## Analogous

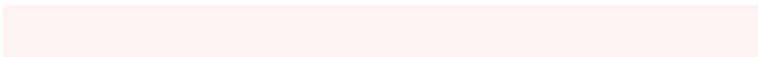
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1385, 0.3120, 0.3208



92.1385, 0.3175, 0.3242



92.1385, 0.3218, 0.3289

# Triad

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



92.1385, 0.3175, 0.3242



92.1385, 0.3187, 0.3387



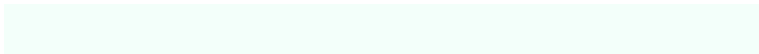
92.1385, 0.3020, 0.3242

# Complementary

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



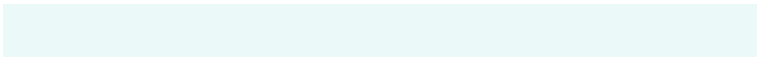
92.1385, 0.3175, 0.3242



97.4784, 0.3082, 0.3338

# 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.



92.1385, 0.3038, 0.3291



92.1385, 0.3175, 0.3242



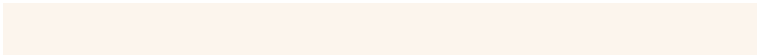
92.1385, 0.3134, 0.3374

# Square

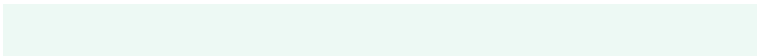
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



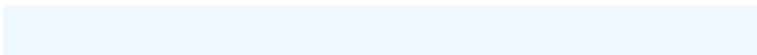
92.1385, 0.3175, 0.3242



92.1385, 0.3225, 0.3372



92.1385, 0.3079, 0.3339

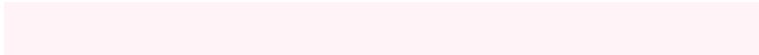


92.1385, 0.3031, 0.3208

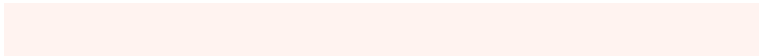


# Rectangle

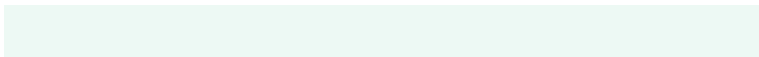
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



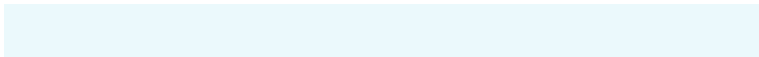
92.1385, 0.3175, 0.3242



92.1385, 0.3233, 0.3321



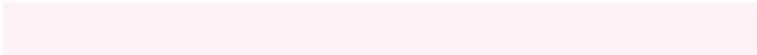
92.1385, 0.3079, 0.3339



92.1385, 0.3023, 0.3258

# Sweetspot

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



92.1413, 0.3175, 0.3242



98.2882, 0.3137, 0.3280



91.6487, 0.3100, 0.3174



21.0558, 0.3136, 0.3280



0.0000, 0.0000, 0.0000

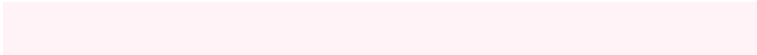


21.4041, 0.3127, 0.3290



# Same Dimension

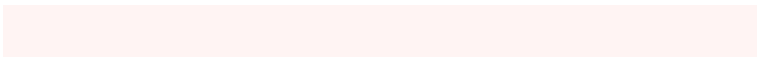
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.1413, 0.3175, 0.3242



90.0614, 0.3189, 0.3229



92.4356, 0.3205, 0.3300



19.0555, 0.3196, 0.3222



11.6814, 0.5318, 0.2704



1.1585, 0.5023, 0.2541



# Inverse Universe

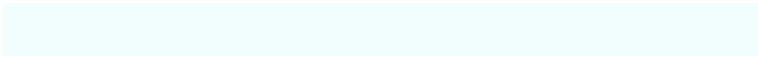
The Inverse Universe completely reimagines the original color for something new.



92.1413, 0.3175, 0.3242



90.0614, 0.3189, 0.3229



97.1595, 0.3054, 0.3280



19.0555, 0.3196, 0.3222



11.6814, 0.5318, 0.2704

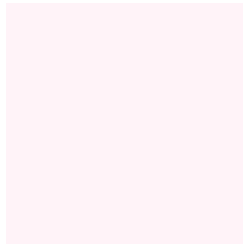


1.1585, 0.5023, 0.2541



# Previews

## White Background



This preview shows how the Yxy color 92.1385, 0.3175, 0.3242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

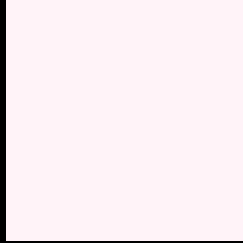
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.1385, 0.3175, 0.3242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

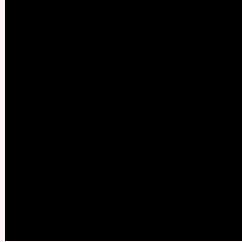
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.1385, 0.3175, 0.3242**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.1385, 0.3175, 0.3242.

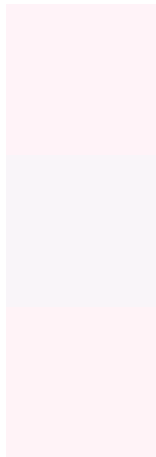


This preview shows how white text looks on a background with the Yxy color 92.1385, 0.3175, 0.3242.

# 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

92.1385, 0.3175, 0.3242

### Protanopia

92.2841, 0.3129, 0.3251

### Deuteranopia

92.0766, 0.3181, 0.3252



## Tritanopia

92.2038, 0.3120, 0.3175

# Trichromacy



**Original Color**

92.1385, 0.3175, 0.3242

**Protanomaly**

92.0502, 0.3142, 0.3242

**Deuteranomaly**

92.0766, 0.3181, 0.3252

**Tritanomaly**

92.2003, 0.3144, 0.3203

# Monochromacy



**Original Color**

92.1385, 0.3175, 0.3242

**Achromatopsia**

93.0111, 0.3127, 0.3290

**Achromatomaly**

92.9509, 0.3147, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.1385, 0.3175, 0.3242 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, 243, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 92.1385, 0.3175, 0.3242 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, 243, 248) }
```

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

```
.border{ border-color:rgb(255, 243, 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, 243, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.1385, 0.3175, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 248) }
```

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

```
.background{ background-color: rgb(255,  
243, 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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