

# Converting Colors

$Y_{xy}(100.0000, 0.3461, 0.3312)$

Have a look what the booklet for  
Yxy(100.0000, 0.3461, 0.3312)  
contains.

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# Color

**Yxy(92.3722, 0.3211, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4F2
RGB	255, 244, 242
RGB Percent	100%, 96%, 95%
CMY	0.0001, 0.0431, 0.0511
CMYK	0.00, 0.04, 0.05, 0.00
HSL	9°, 100%, 97%
HSV	9°, 5%, 100%
XYZ	89.6094, 92.3722, 97.0885
YIQ	247.0610, 7.1980, 1.7100

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 244, 242
Decimal	16774386
CIE Lab	96.97, 3.33, 2.28
CIE LCh	97, 4.033, 34.403
Yxy	92.3722, 0.3211, 0.3310
Android (android.graphics.Color)	4294964466 (0xFFFFF4F2)
YUV	247.0610, -2.4951, 6.9625
Hunter-Lab	96.1105, -1.7673, 7.3840

# Details

The Yxy color 92.3722, 0.3211, 0.3310 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.3054, 0.3048, 0.3270, and the grayscale version is 93.0801, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.5174, 0.3226, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 78.7571, 0.3402, 0.3352, and if you desaturate by 10%, it is 99.9969, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (96%)

Blue (95%)



Red (100%)

Yellow (96%)

Blue (95%)



Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.3722, 0.3211, 0.3310 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 92.3722, 0.3211, 0.3310 by changing the saturation by 10% instead.



 92.3722, 0.3211,  
0.3310

 92.3722, 0.3211,  
0.3310


535.7177, 0.3174,  
0.3301

 69.9498, 0.3219,  
0.3312


150.6291, 0.3198,  
0.3307

 51.4856, 0.3229,  
0.3314


187.2325, 0.3193,  
0.3306

 36.5952, 0.3241,  
0.3317


229.3316, 0.3189,  
0.3305

 24.8943, 0.3257,  
0.3320

277.3109, 0.3185,  
0.3304

 15.9983, 0.3278,  
0.3325

331.5548, 0.3182,  
0.3303

 9.5229, 0.3307,  
0.3331

392.4476, 0.3179,

 5.0838, 0.3349,

0.3303

0.3340

460.3738, 0.3176,  
0.3302

■ 2.2965, 0.3417,  
0.3354

■ 0.7719, 0.3593,  
0.3404

■ 92.3722, 0.3211,  
0.3310

■ 92.3722, 0.3211,  
0.3310

■ 78.7571, 0.3402,  
0.3352

99.9969, 0.3127,  
0.3290

■ 66.8001, 0.3636,  
0.3396

■ 56.4411, 0.3919,  
0.3440

■ 47.6122, 0.4256,  
0.3482

■ 40.2403, 0.4647,  
0.3516

■ 34.2464, 0.5075,  
0.3535

■ 29.5440, 0.5509,  
0.3530

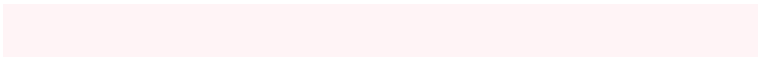
■ 26.0362, 0.5894,  
0.3496

■ 23.6122, 0.6176,  
0.3434

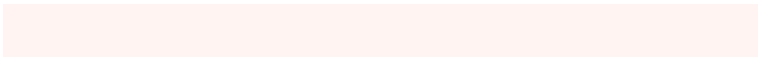
# Harmonies

## Analogous

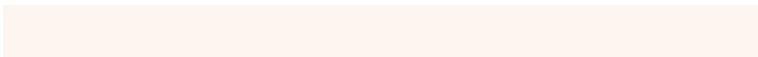
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3722, 0.3186, 0.3270



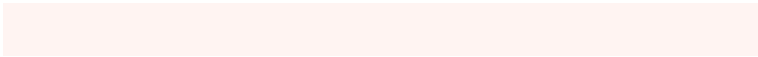
92.3722, 0.3211, 0.3310



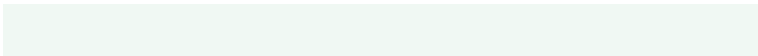
92.3722, 0.3213, 0.3345

# Triad

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



92.3722, 0.3211, 0.3310



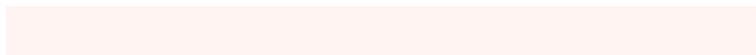
92.3722, 0.3109, 0.3345



92.3722, 0.3062, 0.3215

# Complementary

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



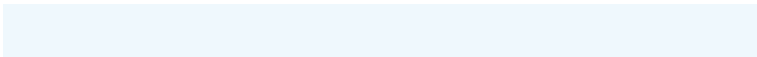
92.3722, 0.3211, 0.3310



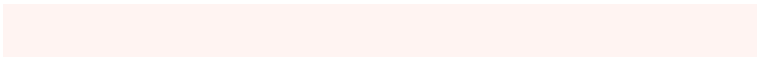
96.3054, 0.3048, 0.3270

# Split Complementary

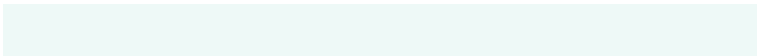
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3722, 0.3042, 0.3235



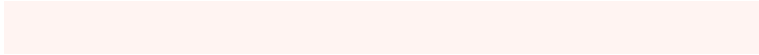
92.3722, 0.3211, 0.3310



92.3722, 0.3069, 0.3310

# Square

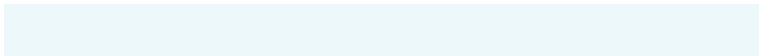
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.3722, 0.3211, 0.3310



92.3722, 0.3154, 0.3366



92.3722, 0.3044, 0.3269

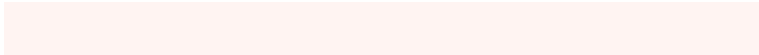


92.3722, 0.3100, 0.3216

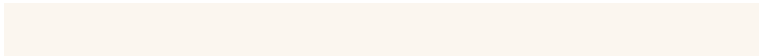


# Rectangle

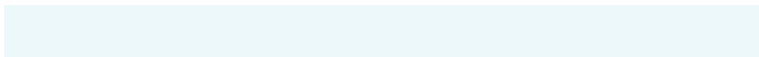
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



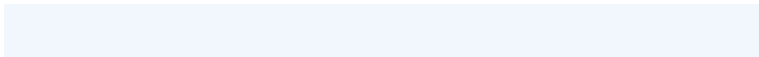
92.3722, 0.3211, 0.3310



92.3722, 0.3202, 0.3361



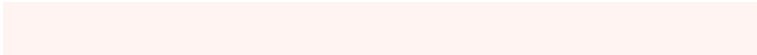
92.3722, 0.3044, 0.3269



92.3722, 0.3053, 0.3220

# Sweetspot

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



92.3762, 0.3211, 0.3310



96.9631, 0.3159, 0.3298



91.8390, 0.3145, 0.3184



20.7859, 0.3157, 0.3297



0.0000, 0.0000, 0.0000

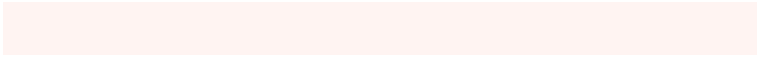


21.4041, 0.3127, 0.3290

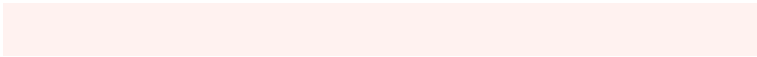


# Same Dimension

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



92.3762, 0.3211, 0.3310



91.0978, 0.3227, 0.3314



96.3048, 0.3206, 0.3372



19.2993, 0.3238, 0.3316



12.0379, 0.6251, 0.3418

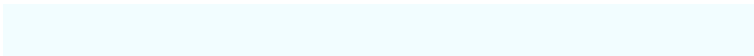


1.2988, 0.6063, 0.3568



# Inverse Universe

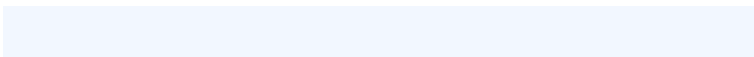
The Inverse Universe completely reimagines the original color for something new.



96.3054, 0.3048, 0.3270



95.6905, 0.3034, 0.3266



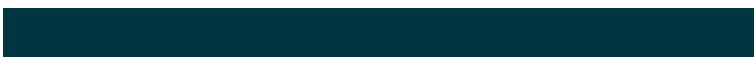
92.3238, 0.3049, 0.3207



20.3845, 0.3024, 0.3264



29.3462, 0.2106, 0.2782

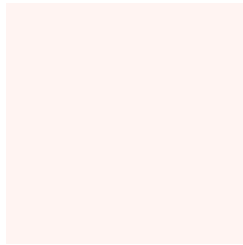


2.9821, 0.2124, 0.2846



# Previews

## White Background



This preview shows how the Yxy color 92.3722, 0.3211, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

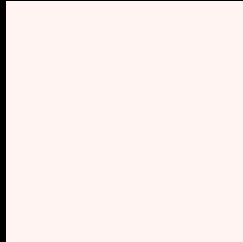
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.3722, 0.3211, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

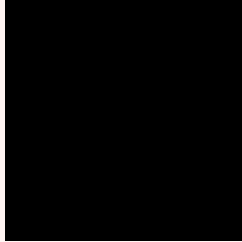
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

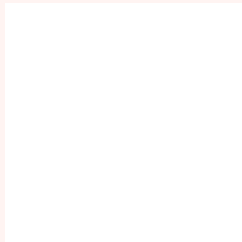
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.3722, 0.3211, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.3722, 0.3211, 0.3310.



This preview shows how white text looks on a background with the Yxy color 92.3722, 0.3211, 0.3310.

# 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**

92.3722, 0.3211, 0.3310

**Protanopia**

92.2851, 0.3178, 0.3310

**Deuteranopia**

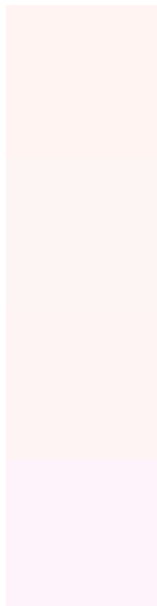
92.5539, 0.3193, 0.3281



## Tritanopia

92.2038, 0.3120, 0.3175

# Trichromacy



## Original Color

92.3722, 0.3211, 0.3310

## Protanomaly

92.4713, 0.3185, 0.3310

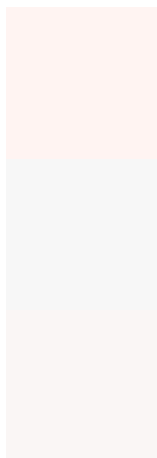
## Deuteranomaly

92.4930, 0.3199, 0.3290

## Tritanomaly

92.0741, 0.3156, 0.3223

# Monochromacy



## Original Color

92.3722, 0.3211, 0.3310

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

92.8281, 0.3159, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.3722, 0.3211, 0.3310 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, 244, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 242)  
}
```

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, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 92.3722, 0.3211, 0.3310 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, 244, 242) }
```

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

```
.border{ border-color:rgb(255, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.3722, 0.3211, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 242) }
```

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

```
.background{ background-color: rgb(255,  
244, 242) }
```

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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