

# Converting Colors

$Yxy(92.8639, 0.3224, 0.3342)$

Have a look what the booklet for  
Yxy(92.8639, 0.3224, 0.3342)  
contains.

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# Color

**Yxy(92.8561, 0.3222, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F0
RGB	255, 245, 240
RGB Percent	100%, 96%, 94%
CMY	0.0003, 0.0391, 0.0588
CMYK	0.00, 0.04, 0.06, 0.00
HSL	20°, 99%, 97%
HSV	20°, 6%, 100%
XYZ	89.6024, 92.8561, 95.6371
YIQ	247.4200, 7.5650, 0.5650

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 248, 240
Decimal	16774640
CIE Lab	97.17, 2.47, 3.58
CIE LCh	97, 4.349, 55.456
Yxy	92.8561, 0.3222, 0.3339
Android (android.graphics.Color)	4294964720 (0xFFFFF5F0)
YUV	247.4200, -3.6581, 6.6477
Hunter-Lab	96.3619, -2.6545, 8.6093

# Details

The Yxy color 92.8561, 0.3222, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.0554, 0.3036, 0.3240, and the grayscale version is 93.3934, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.8617, 0.3241, 0.3352 is the 20% darker color. If you saturate the color by 10%, you get 81.6783, 0.3407, 0.3427, and if you desaturate by 10%, it is 99.9878, 0.3127, 0.3290.

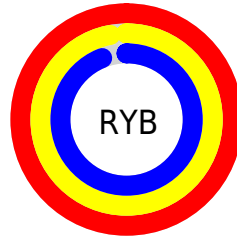
# Distribution



Red (100%)

Green (96%)

Blue (94%)



Red (100%)

Yellow (97%)

Blue (94%)



Cyan (0%)

Magenta (4%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.8561, 0.3222, 0.3339 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 92.8561, 0.3222, 0.3339 by changing the saturation by 10% instead.




 92.8561, 0.3222,  
0.3339

 92.8561, 0.3222,  
0.3339


537.2785, 0.3180,  
0.3318

 70.3519, 0.3231,  
0.3344

151.2994, 0.3208,  
0.3332

 51.8135, 0.3242,  
0.3349


188.0072, 0.3202,  
0.3329

 36.8564, 0.3256,  
0.3356


230.2184, 0.3197,  
0.3326

 25.0963, 0.3274,  
0.3365

278.3174, 0.3193,  
0.3324

 16.1488, 0.3298,  
0.3377

332.6885, 0.3189,  
0.3322

 9.6295, 0.3330,  
0.3393

393.7161, 0.3186,

 5.1540, 0.3377,

0.3320

0.3416

461.7846, 0.3183,  
0.3319

■ 2.3379, 0.3453,  
0.3452

■ 0.7937, 0.3666,  
0.3572

■ 92.8561, 0.3222,  
0.3339

■ 92.8561, 0.3222,  
0.3339

■ 81.6783, 0.3407,  
0.3427

99.9878, 0.3127,  
0.3290

■ 71.6111, 0.3625,  
0.3520

■ 62.6229, 0.3880,  
0.3614

■ 54.6764, 0.4172,  
0.3703

■ 47.7319, 0.4500,  
0.3781

■ 41.7470, 0.4853,  
0.3834

■ 36.6758, 0.5209,  
0.3851

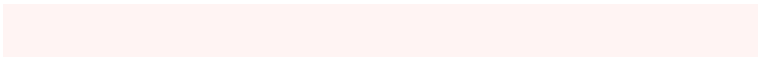
■ 32.4679, 0.5538,  
0.3819

■ 29.0666, 0.5808,  
0.3737

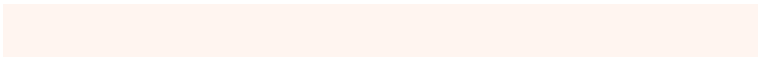
# Harmonies

## Analogous

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



92.8561, 0.3212, 0.3299



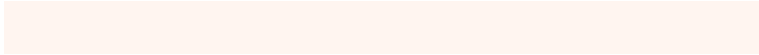
92.8561, 0.3222, 0.3339



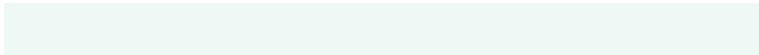
92.8561, 0.3207, 0.3367

# Triad

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



92.8561, 0.3222, 0.3339



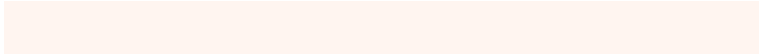
92.8561, 0.3076, 0.3324



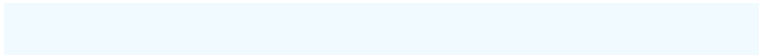
92.8561, 0.3084, 0.3208

# Complementary

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



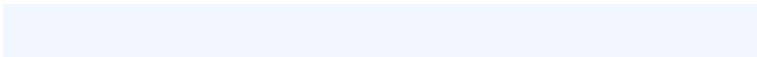
92.8561, 0.3222, 0.3339



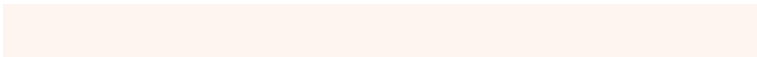
94.0554, 0.3036, 0.3240

# Split Complementary

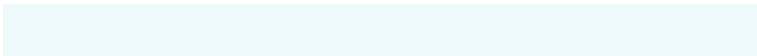
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.8561, 0.3048, 0.3214



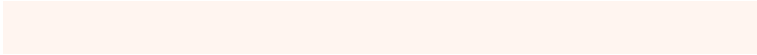
92.8561, 0.3222, 0.3339



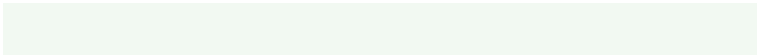
92.8561, 0.3044, 0.3281

# Square

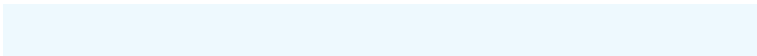
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.8561, 0.3222, 0.3339



92.8561, 0.3122, 0.3358



92.8561, 0.3033, 0.3240

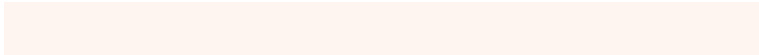


92.8561, 0.3132, 0.3224



# Rectangle

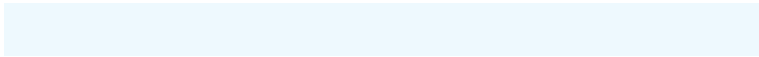
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.8561, 0.3222, 0.3339



92.8561, 0.3184, 0.3374



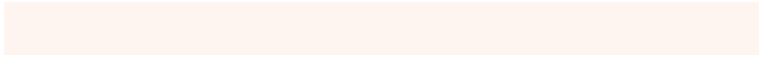
92.8561, 0.3033, 0.3240



92.8561, 0.3070, 0.3207

# Sweetspot

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



92.8601, 0.3222, 0.3339



97.5361, 0.3158, 0.3307



90.4673, 0.3164, 0.3194



20.9026, 0.3157, 0.3306



0.0000, 0.0000, 0.0000

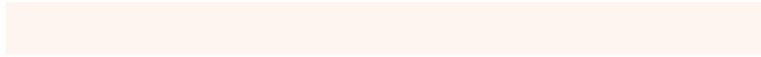


21.4041, 0.3127, 0.3290

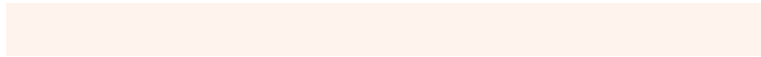


# Same Dimension

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



92.8601, 0.3222, 0.3339



91.5790, 0.3242, 0.3349



97.4404, 0.3216, 0.3410



19.4519, 0.3252, 0.3354



14.8177, 0.5873, 0.3719

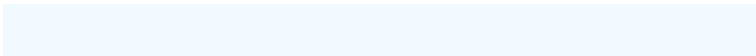


1.6349, 0.5654, 0.3893



# Inverse Universe

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



94.0554, 0.3036, 0.3240



92.9968, 0.3019, 0.3230



89.5369, 0.3037, 0.3167



19.7802, 0.3009, 0.3225



18.9199, 0.1930, 0.2147

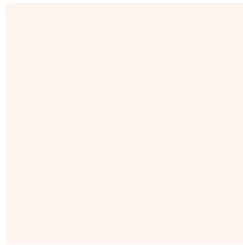


2.0441, 0.1970, 0.2293



# Previews

## White Background



This preview shows how the Yxy color 92.8561, 0.3222, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

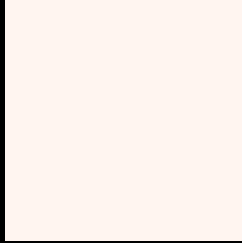
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8561, 0.3222, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

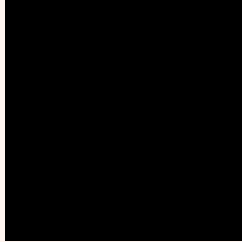
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

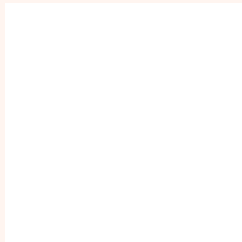
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.8561, 0.3222, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.8561, 0.3222, 0.3339.



This preview shows how white text looks on a background with the Yxy color 92.8561, 0.3222, 0.3339.

# 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**

92.8561, 0.3222, 0.3339

**Protanopia**

93.0855, 0.3209, 0.3349

**Deuteranopia**

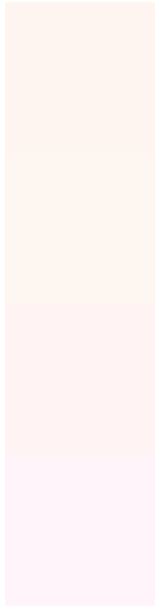
92.5539, 0.3193, 0.3281



## Tritanopia

92.8040, 0.3119, 0.3184

# Trichromacy



## Original Color

92.8561, 0.3222, 0.3339

## Protanomaly

93.2736, 0.3215, 0.3349

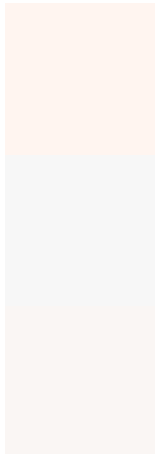
## Deuteranomaly

92.4324, 0.3205, 0.3300

## Tritanomaly

92.6743, 0.3156, 0.3232

# Monochromacy



## Original Color

92.8561, 0.3222, 0.3339

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

92.7672, 0.3165, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  92.8561, 0.3222, 0.3339 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, 245, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 240)  
}
```

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, 245, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8561, 0.3222, 0.3339 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, 245, 240) }
```

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

```
.border{ border-color:rgb(255, 245, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8561, 0.3222, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 240) }
```

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

```
.background{ background-color: rgb(255,  
245, 240) }
```

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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