

# Converting Colors

$Y_{xy}(100.0000, 0.3347, 0.3390)$

Have a look what the booklet for  
Yxy(100.0000, 0.3347, 0.3390)  
contains.

<b>Yxy(95.9225, 0.3218, 0.3387)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(95.9225, 0.3218, 0.3387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAF0
RGB	255, 250, 240
RGB Percent	100%, 98%, 94%
CMY	0.0002, 0.0195, 0.0588
CMYK	0.00, 0.02, 0.06, 0.00
HSL	40°, 99%, 97%
HSV	40°, 6%, 100%
XYZ	91.1363, 95.9225, 96.1491
YIQ	250.3550, 6.1900, -2.0500

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	248, 255, 240
Decimal	16775920
CIELab	98.40, -0.06, 5.37
CIELCh	98, 5.366, 90.677
Yxy	95.9225, 0.3218, 0.3387
Android (android.graphics.Color)	4294966000 (0xFFFFFAF0)
YUV	250.3550, -5.1050, 4.0737
Hunter-Lab	97.9400, -5.2952, 10.3522

# Details

The Yxy color 95.9225, 0.3218, 0.3387 is a light color, and the websafe version is hex FFFFFFF, and the color name is [floralwhite](#). A complement of this color would be 90.9936, 0.3037, 0.3191, and the grayscale version is 95.9423, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0500, 0.3235, 0.3413 is the 20% darker color. If you saturate the color by 10%, you get 89.4206, 0.3386, 0.3559, and if you desaturate by 10%, it is 99.9881, 0.3127, 0.3290.

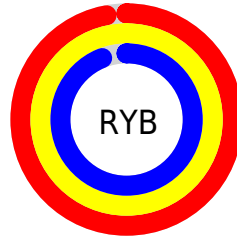
# Distribution



Red (100%)

Green (98%)

Blue (94%)



Red (97%)

Yellow (100%)

Blue (94%)



Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.9225, 0.3218, 0.3387 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 95.9225, 0.3218, 0.3387 by changing the saturation by 10% instead.



 95.9225, 0.3218,  
0.3387

 95.9225, 0.3218,  
0.3387


547.1141, 0.3178,  
0.3344

 72.9030, 0.3227,  
0.3396


155.5385, 0.3204,  
0.3373

 53.8967, 0.3237,  
0.3408


192.9037, 0.3199,  
0.3367

 38.5191, 0.3250,  
0.3421


235.8197, 0.3194,  
0.3362

 26.3858, 0.3267,  
0.3439

284.6708, 0.3190,  
0.3358

 17.1125, 0.3289,  
0.3462

339.8414, 0.3187,  
0.3354

 10.3147, 0.3318,  
0.3494

401.7158, 0.3184,

 5.6081, 0.3361,

0.3350

0.3540

470.6786, 0.3181,  
0.3347

■ 2.6083, 0.3429,  
0.3612

■ 0.9308, 0.3602,  
0.3797

■ 95.9225, 0.3218,  
0.3387

■ 95.9225, 0.3218,  
0.3387

■ 89.4206, 0.3386,  
0.3559

99.9881, 0.3127,  
0.3290

■ 83.3471, 0.3570,  
0.3737

■ 77.6940, 0.3768,  
0.3916

■ 72.4477, 0.3977,  
0.4087

■ 67.5941, 0.4189,  
0.4242

■ 63.1177, 0.4396,  
0.4368

■ 59.0012, 0.4589,  
0.4454

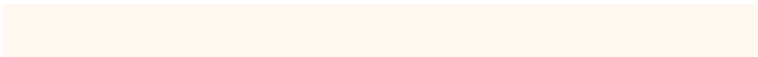
■ 55.2250, 0.4755,  
0.4492

■ 51.7653, 0.4889,  
0.4478

# Harmonies

## Analogous

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



95.9225, 0.3242, 0.3357



95.9225, 0.3218, 0.3387



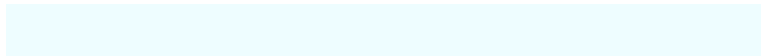
95.9225, 0.3170, 0.3391

# Triad

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



95.9225, 0.3218, 0.3387



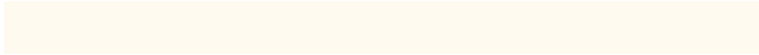
95.9225, 0.3021, 0.3269



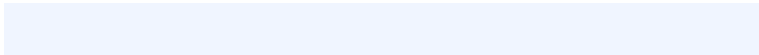
95.9225, 0.3143, 0.3215

# Complementary

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



95.9225, 0.3218, 0.3387



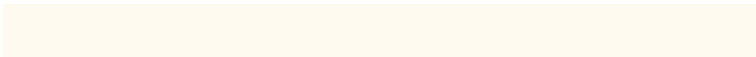
90.9936, 0.3037, 0.3191

# Split Complementary

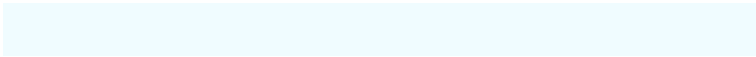
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.9225, 0.3084, 0.3191



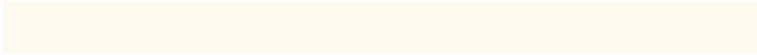
95.9225, 0.3218, 0.3387



95.9225, 0.3014, 0.3222

# Square

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



95.9225, 0.3218, 0.3387



95.9225, 0.3056, 0.3323



95.9225, 0.3037, 0.3194



95.9225, 0.3199, 0.3258

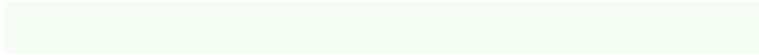


# Rectangle

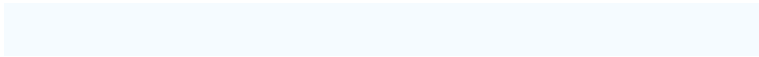
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.9225, 0.3218, 0.3387



95.9225, 0.3130, 0.3378



95.9225, 0.3037, 0.3194



95.9225, 0.3123, 0.3204

# Sweetspot

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



95.9267, 0.3218, 0.3387



98.6104, 0.3158, 0.3323



90.1604, 0.3195, 0.3242



21.1213, 0.3156, 0.3321



0.0000, 0.0000, 0.0000

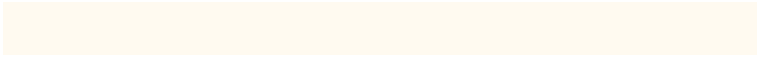


21.4041, 0.3127, 0.3290

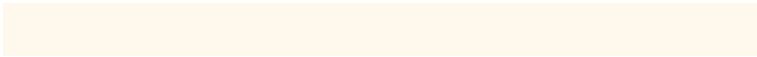


# Same Dimension

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



95.9267, 0.3218, 0.3387



95.2150, 0.3236, 0.3406



98.5507, 0.3198, 0.3434



20.2938, 0.3246, 0.3417



26.6406, 0.4923, 0.4473



2.7938, 0.4818, 0.4556



# Inverse Universe

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



90.9936, 0.3037, 0.3191



89.3635, 0.3019, 0.3171



88.5010, 0.3054, 0.3143



18.9390, 0.3009, 0.3160



7.3157, 0.1629, 0.1064

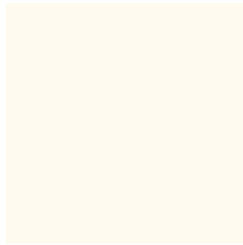


0.9023, 0.1691, 0.1287



# Previews

## White Background



This preview shows how the Yxy color 95.9225, 0.3218, 0.3387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

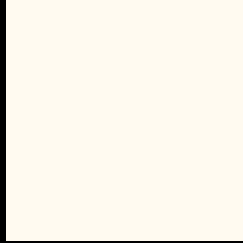
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.9225, 0.3218, 0.3387 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 95.9225, 0.3218, 0.3387**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.9225, 0.3218, 0.3387.



This preview shows how white text looks on a background with the Yxy color 95.9225, 0.3218, 0.3387.

# 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**

95.9225, 0.3218, 0.3387

**Protanopia**

96.1023, 0.3200, 0.3358

**Deuteranopia**

95.8509, 0.3165, 0.3290

## Tritanopia

95.8540, 0.3117, 0.3233

# Trichromacy



**Original Color**

95.9225, 0.3218, 0.3387

**Protanomaly**

96.0420, 0.3206, 0.3367

**Deuteranomaly**

95.6652, 0.3183, 0.3319

**Tritanomaly**

95.7243, 0.3153, 0.3280

# Monochromacy



**Original Color**

95.9225, 0.3218, 0.3387

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.7205, 0.3163, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.9225, 0.3218, 0.3387 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, 250, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 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, 250, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 95.9225, 0.3218, 0.3387 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, 250, 240) }
```

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

```
.border{ border-color:rgb(255, 250, 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, 250, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.9225, 0.3218, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 240) }
```

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

```
.background{ background-color: rgb(255,  
250, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor