

# Converting Colors

$Y_{xy}(94.7594, 0.3222, 0.3372)$

Have a look what the booklet for  
Yxy(94.7594, 0.3222, 0.3372)  
contains.

<b>Yxy(94.6861, 0.3220, 0.3368)</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(94.6861, 0.3220, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8F0
RGB	255, 248, 240
RGB Percent	100%, 97%, 94%
CMY	0.0001, 0.0274, 0.0589
CMYK	0.00, 0.03, 0.06, 0.00
HSL	32°, 100%, 97%
HSV	32°, 6%, 100%
XYZ	90.5253, 94.6861, 95.9231
YIQ	249.1810, 6.7400, -1.0040

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">253, 255, 240</a>
Decimal	<a href="#">16775408</a>
CIELab	<a href="#">97.91, 0.96, 4.67</a>
CIElCh	<a href="#">98, 4.763, 78.370</a>
Yxy	<a href="#">94.6861, 0.3220, 0.3368</a>
Android (android.graphics.Color)	<a href="#">4294965488</a> ( <a href="#">0xFFFFF8F0</a> )
YUV	<a href="#">249.1810, -4.5262, 5.1033</a>
Hunter-Lab	<a href="#">97.3068, -4.2268, 9.6678</a>

# Details

The Yxy color 94.6861, 0.3220, 0.3368 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.2207, 0.3036, 0.3211, and the grayscale version is 94.9207, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.1657, 0.3237, 0.3389 is the 20% darker color. If you saturate the color by 10%, you get 86.2342, 0.3395, 0.3507, and if you desaturate by 10%, it is 99.9952, 0.3127, 0.3290.

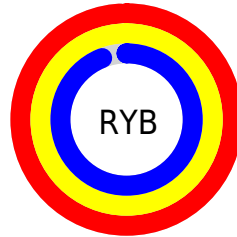
# Distribution



Red (100%)

Green (97%)

Blue (94%)



Red (99%)

Yellow (100%)

Blue (94%)



Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.6861, 0.3220, 0.3368 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 94.6861, 0.3220, 0.3368 by changing the saturation by 10% instead.




 94.6861, 0.3220,  
0.3368

 94.6861, 0.3220,  
0.3368

543.1596, 0.3179,  
0.3334

 71.8737, 0.3229,  
0.3375


153.8309, 0.3206,  
0.3356

 53.0555, 0.3240,  
0.3385

190.9321, 0.3201,  
0.3352

 37.8471, 0.3253,  
0.3396


233.5650, 0.3196,  
0.3348

 25.8641, 0.3270,  
0.3410

282.1141, 0.3192,  
0.3344

 16.7220, 0.3293,  
0.3428

336.9637, 0.3188,  
0.3341

 10.0365, 0.3324,  
0.3454

398.4982, 0.3185,

 5.4231, 0.3369,

0.3338

0.3491

467.1020, 0.3182,  
0.3336

■ 2.4976, 0.3440,  
0.3549

■ 0.8754, 0.3628,  
0.3713

■ 94.6861, 0.3220,  
0.3368

■ 94.6861, 0.3220,  
0.3368

■ 86.2342, 0.3395,  
0.3507

99.9952, 0.3127,  
0.3290

■ 78.4335, 0.3592,  
0.3651

■ 71.2700, 0.3813,  
0.3797

■ 64.7247, 0.4054,  
0.3938

■ 58.7772, 0.4310,  
0.4063

■ 53.4056, 0.4573,  
0.4162

■ 48.5863, 0.4829,  
0.4221

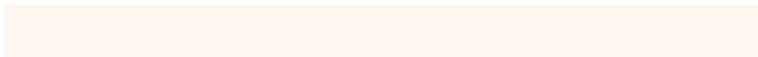
■ 44.2926, 0.5061,  
0.4230

■ 40.4937, 0.5257,  
0.4182

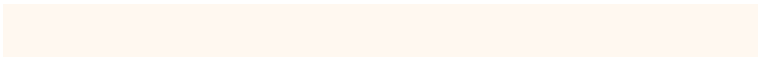
# Harmonies

## Analogous

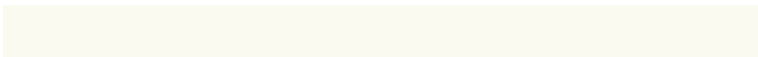
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6861, 0.3230, 0.3334



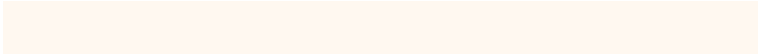
94.6861, 0.3220, 0.3368



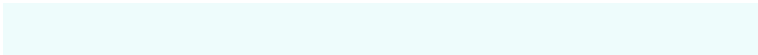
94.6861, 0.3185, 0.3382

# Triad

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



94.6861, 0.3220, 0.3368



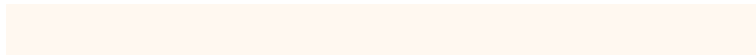
94.6861, 0.3043, 0.3291



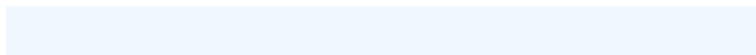
94.6861, 0.3120, 0.3212

# Complementary

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



94.6861, 0.3220, 0.3368



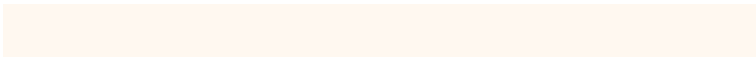
92.2207, 0.3036, 0.3211

# Split Complementary

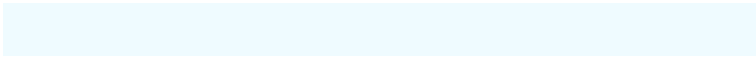
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6861, 0.3070, 0.3200



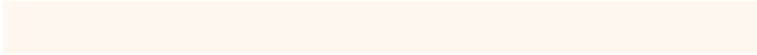
94.6861, 0.3220, 0.3368



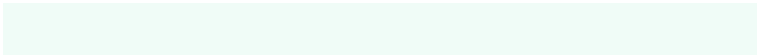
94.6861, 0.3025, 0.3245

# Square

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



94.6861, 0.3220, 0.3368



94.6861, 0.3082, 0.3337



94.6861, 0.3035, 0.3212

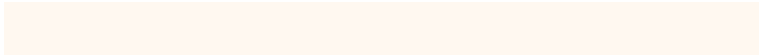


94.6861, 0.3172, 0.3244



# Rectangle

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



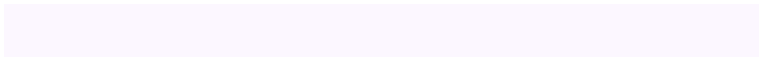
94.6861, 0.3220, 0.3368



94.6861, 0.3152, 0.3377



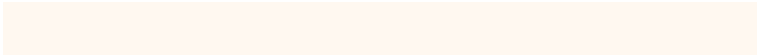
94.6861, 0.3035, 0.3212



94.6861, 0.3102, 0.3205

# Sweetspot

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



94.6902, 0.3220, 0.3368



98.1756, 0.3158, 0.3316



90.2752, 0.3183, 0.3222



21.0328, 0.3156, 0.3315



0.0000, 0.0000, 0.0000

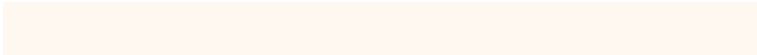


21.4041, 0.3127, 0.3290

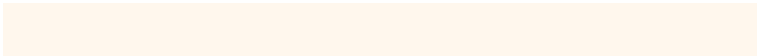


# Same Dimension

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



94.6902, 0.3220, 0.3368



93.7331, 0.3238, 0.3383



98.9544, 0.3211, 0.3434



19.9504, 0.3249, 0.3391



20.7156, 0.5305, 0.4170

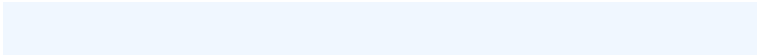


2.2358, 0.5143, 0.4298

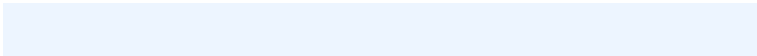


# Inverse Universe

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



92.2207, 0.3036, 0.3211



90.8161, 0.3019, 0.3195



88.1332, 0.3041, 0.3142



19.2750, 0.3009, 0.3187



10.8712, 0.1738, 0.1455

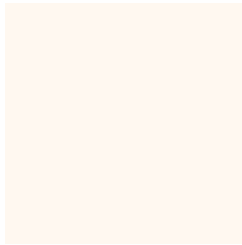


1.2745, 0.1797, 0.1670



# Previews

## White Background



This preview shows how the Yxy color 94.6861, 0.3220, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

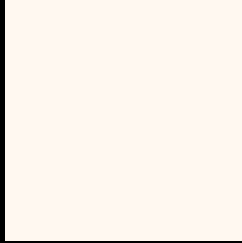
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.6861, 0.3220, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

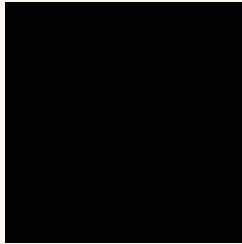
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.6861, 0.3220, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.6861, 0.3220, 0.3368.



This preview shows how white text looks on a background with the Yxy color 94.6861, 0.3220, 0.3368.

# 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**

94.6861, 0.3220, 0.3368

**Protanopia**

94.7457, 0.3214, 0.3358

**Deuteranopia**

94.4969, 0.3178, 0.3290

## Tritanopia

94.6242, 0.3118, 0.3213

# Trichromacy



**Original Color**

94.6861, 0.3220, 0.3368

**Protanomaly**

94.7457, 0.3214, 0.3358

**Deuteranomaly**

94.3132, 0.3197, 0.3319

**Tritanomaly**

94.4945, 0.3154, 0.3261

# Monochromacy



**Original Color**

94.6861, 0.3220, 0.3368

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.9144, 0.3158, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.6861, 0.3220, 0.3368 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, 248, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 94.6861, 0.3220, 0.3368 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, 248, 240) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.6861, 0.3220, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 240) }
```

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

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