

# Converting Colors

$Y_{xy}(95.0595, 0.3205, 0.3349)$

Have a look what the booklet for  
Yxy(95.0595, 0.3205, 0.3349)  
contains.

<b>Yxy(94.8056, 0.3208, 0.3348)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(94.8056, 0.3208, 0.3348)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF8F2
RGB	255, 248, 242
RGB Percent	100%, 97%, 95%
CMY	0.0000, 0.0275, 0.0509
CMYK	0.00, 0.03, 0.05, 0.00
HSL	28°, 100%, 97%
HSV	28°, 5%, 100%
XYZ	90.8412, 94.8056, 97.5240
YIQ	249.4090, 6.0980, -0.3820

# Conversions

## Conversions Part 2

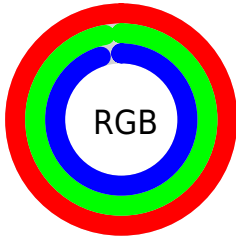
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 253, 242</a>
Decimal	<a href="#">16775410</a>
CIELab	<a href="#">97.96, 1.33, 3.69</a>
CIELCh	<a href="#">98, 3.918, 70.230</a>
Yxy	<a href="#">94.8056, 0.3208, 0.3348</a>
Android (android.graphics.Color)	<a href="#">4294965490</a> ( <a href="#">0xFFFFF8F2</a> )
YUV	<a href="#">249.4090, -3.6526, 4.9033</a>
Hunter-Lab	<a href="#">97.3682, -3.8598, 8.7728</a>

# Details

The Yxy color 94.8056, 0.3208, 0.3348 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.8590, 0.3049, 0.3231, and the grayscale version is 95.1120, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.2502, 0.3222, 0.3364 is the 20% darker color. If you saturate the color by 10%, you get 85.2341, 0.3385, 0.3467, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

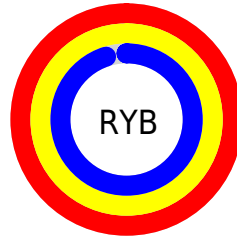
# Distribution



Red (100%)

Green (97%)

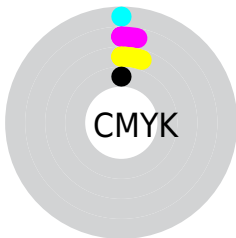
Blue (95%)



Red (100%)

Yellow (99%)

Blue (95%)

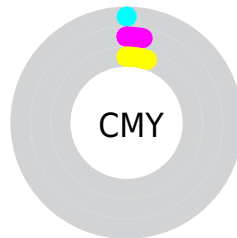


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8056, 0.3208, 0.3348 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 94.8056, 0.3208, 0.3348 by changing the saturation by 10% instead.



 94.8056, 0.3208,  
0.3348

 94.8056, 0.3208,  
0.3348


543.5424, 0.3172,  
0.3323

 71.9732, 0.3216,  
0.3354


153.9960, 0.3196,  
0.3339

 53.1368, 0.3225,  
0.3360


191.1228, 0.3191,  
0.3336

 37.9120, 0.3237,  
0.3369


233.7831, 0.3187,  
0.3333

 25.9144, 0.3252,  
0.3379

282.3615, 0.3183,  
0.3330

 16.7596, 0.3271,  
0.3393

337.2422, 0.3180,  
0.3328

 10.0632, 0.3298,  
0.3412

398.8096, 0.3177,

 5.4409, 0.3337,

0.3326

0.3439

467.4483, 0.3175,  
0.3324

■ 2.5082, 0.3400,  
0.3482

■ 0.8807, 0.3548,  
0.3592

■ 94.8056, 0.3208,  
0.3348

■ 94.8056, 0.3208,  
0.3348

■ 85.2341, 0.3385,  
0.3467

100.0000, 0.3127,  
0.3290

■ 76.4750, 0.3588,  
0.3592

■ 68.5052, 0.3818,  
0.3719

■ 61.3004, 0.4077,  
0.3842

■ 54.8347, 0.4358,  
0.3951

■ 49.0808, 0.4653,  
0.4036

■ 44.0088, 0.4948,  
0.4082

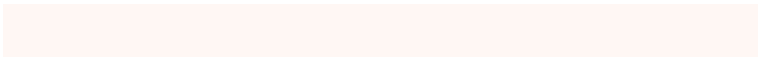
■ 39.5859, 0.5221,  
0.4078

■ 35.7747, 0.5453,  
0.4018

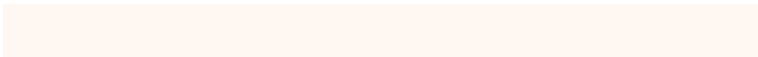
# Harmonies

## Analogous

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



94.8056, 0.3210, 0.3316



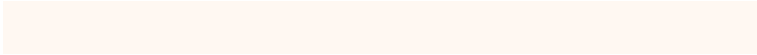
94.8056, 0.3208, 0.3348



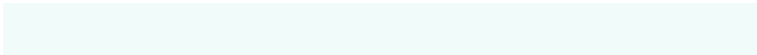
94.8056, 0.3184, 0.3364

# Triad

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



94.8056, 0.3208, 0.3348



94.8056, 0.3065, 0.3302



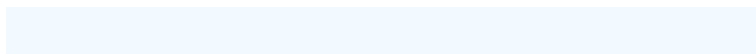
94.8056, 0.3109, 0.3221

# Complementary

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



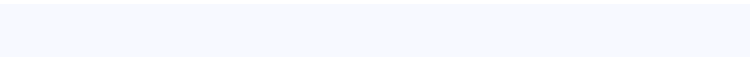
94.8056, 0.3208, 0.3348



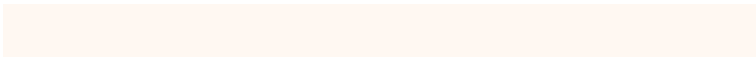
93.8590, 0.3049, 0.3231

# Split Complementary

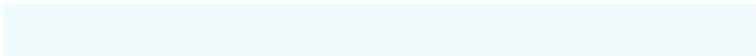
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.8056, 0.3070, 0.3217



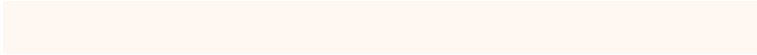
94.8056, 0.3208, 0.3348



94.8056, 0.3045, 0.3263

# Square

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



94.8056, 0.3208, 0.3348



94.8056, 0.3101, 0.3338



94.8056, 0.3047, 0.3232

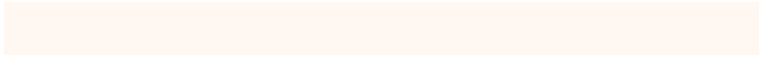


94.8056, 0.3153, 0.3244



# Rectangle

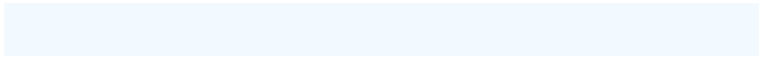
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.8056, 0.3208, 0.3348



94.8056, 0.3159, 0.3364



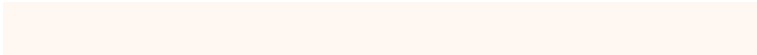
94.8056, 0.3047, 0.3232



94.8056, 0.3095, 0.3217

# Sweetspot

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



94.8056, 0.3208, 0.3348



97.9343, 0.3158, 0.3313



91.6208, 0.3168, 0.3221



20.9837, 0.3157, 0.3311



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.



94.8056, 0.3208, 0.3348



93.9037, 0.3223, 0.3359



98.7779, 0.3203, 0.3409



19.9611, 0.3234, 0.3366



18.1138, 0.5525, 0.3995

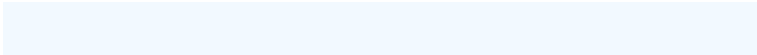


1.9794, 0.5335, 0.4146

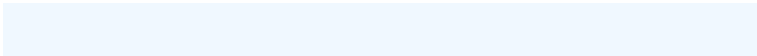


# Inverse Universe

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



93.8590, 0.3049, 0.3231



92.7954, 0.3034, 0.3220



89.9982, 0.3050, 0.3169



19.6992, 0.3024, 0.3213



13.4919, 0.1807, 0.1706

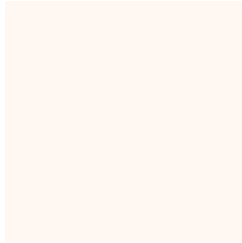


1.5324, 0.1861, 0.1900



# Previews

## White Background



This preview shows how the Yxy color 94.8056, 0.3208, 0.3348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

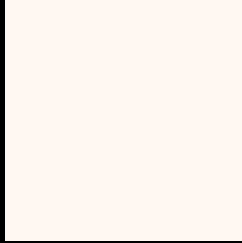
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8056, 0.3208, 0.3348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

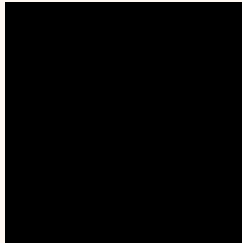
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.8056, 0.3208, 0.3348**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8056, 0.3208, 0.3348.

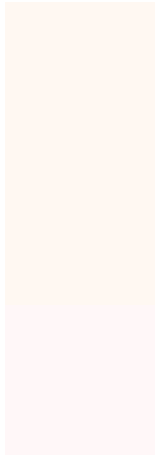


This preview shows how white text looks on a background with the Yxy color 94.8056, 0.3208, 0.3348.

# 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

94.8056, 0.3208, 0.3348

### Protanopia

94.8056, 0.3208, 0.3348

### Deuteranopia

94.5588, 0.3172, 0.3281

## Tritanopia

94.6242, 0.3118, 0.3213

# Trichromacy

A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. From top to bottom, the segments are: orange, light orange, light pink, and light pink.

**Original Color**

94.8056, 0.3208, 0.3348

**Protanomaly**

94.8056, 0.3208, 0.3348

**Deuteranomaly**

94.4353, 0.3185, 0.3300

**Tritanomaly**

94.4945, 0.3154, 0.3261

# Monochromacy

A vertical color bar on the left side of the Monochromacy section, divided into two horizontal segments. The top segment is orange, and the bottom segment is light grey.

**Original Color**

94.8056, 0.3208, 0.3348

**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  $Yxy$  94.8056, 0.3208, 0.3348 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  $rgb(255, 248, 242)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8056, 0.3208, 0.3348 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, 242) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 248, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 248, 242); box-shadow:4px 4px 4px 4px rgb(255, 248, 242) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8056, 0.3208, 0.3348 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, 242) }
```

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

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