

# Converting Colors

$Y_{xy}(100.0000, 0.2723, 0.2639)$

Have a look what the booklet for  
Yxy(100.0000, 0.2723, 0.2639)  
contains.

<b>Yxy(94.7455, 0.3080, 0.3232)</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(94.7455, 0.3080, 0.3232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F9FF
RGB	247, 249, 255
RGB Percent	97%, 98%, 100%
CMY	0.0312, 0.0235, 0.0001
CMYK	0.03, 0.02, 0.00, 0.00
HSL	225°, 99%, 98%
HSV	225°, 3%, 100%
XYZ	90.2896, 94.7455, 108.1131
YIQ	249.0860, -3.1180, 1.4420

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 249, 255
Decimal	16251391
CIE Lab	97.93, 0.43, -3.09
CIE LCh	98, 3.123, 277.917
Yxy	94.7455, 0.3080, 0.3232
Android (android.graphics.Color)	4294441471 (0xFFFF7F9FF)
YUV	249.0860, 2.9156, -1.8294
Hunter-Lab	97.3373, -4.7645, 2.2824

# Details

The Yxy color 94.7455, 0.3080, 0.3232 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.2331, 0.3174, 0.3347, and the grayscale version is 94.7890, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.2935, 0.3074, 0.3228 is the 20% darker color. If you saturate the color by 10%, you get 79.1545, 0.2919, 0.3030, and if you desaturate by 10%, it is 99.9983, 0.3127, 0.3290.

# Distribution



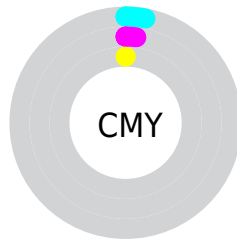
- Red (97%)
- Green (98%)
- Blue (100%)



- Red (97%)
- Yellow (98%)
- Blue (100%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.7455, 0.3080, 0.3232 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 94.7455, 0.3080, 0.3232 by changing the saturation by 10% instead.




 94.7455, 0.3080,  
0.3232

 94.7455, 0.3080,  
0.3232


543.3499, 0.3101,  
0.3258

 71.9232, 0.3075,  
0.3226


153.9130, 0.3087,  
0.3241

 53.0959, 0.3070,  
0.3220

191.0269, 0.3090,  
0.3244

 37.8793, 0.3063,  
0.3211


233.6734, 0.3092,  
0.3247

 25.8891, 0.3054,  
0.3201

282.2371, 0.3094,  
0.3250

 16.7407, 0.3043,  
0.3187

337.1021, 0.3096,  
0.3252

 10.0498, 0.3027,  
0.3168

398.6530, 0.3098,

 5.4320, 0.3005,

0.3254

0.3140

467.2742, 0.3099,  
0.3256

■ 2.5029, 0.2969,  
0.3096

■ 0.8781, 0.2903,  
0.3017

■ 94.7455, 0.3080,  
0.3232

■ 94.7455, 0.3080,  
0.3232

■ 79.1545, 0.2919,  
0.3030

99.9983, 0.3127,  
0.3290

■ 65.3450, 0.2745,  
0.2802

■ 53.2556, 0.2561,  
0.2551

■ 42.8169, 0.2370,  
0.2279

■ 33.9546, 0.2180,  
0.1994

■ 26.5886, 0.2000,  
0.1706

■ 20.6310, 0.1839,  
0.1429

■ 15.9837, 0.1709,  
0.1179

■ 12.5340, 0.1615,  
0.0969

# Harmonies

## Analogous

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



94.7455, 0.3063, 0.3245



94.7455, 0.3080, 0.3232



94.7455, 0.3110, 0.3234

# Triad

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



94.7455, 0.3080, 0.3232



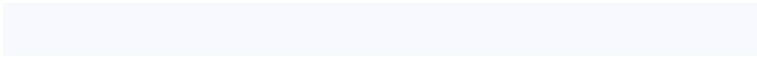
94.7455, 0.3193, 0.3309



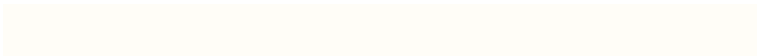
94.7455, 0.3109, 0.3330

# Complementary

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



94.7455, 0.3080, 0.3232



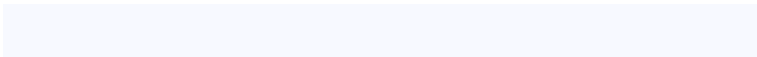
98.2331, 0.3174, 0.3347

# Split Complementary

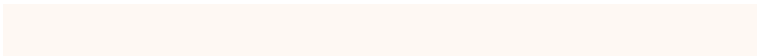
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7455, 0.3144, 0.3347



94.7455, 0.3080, 0.3232



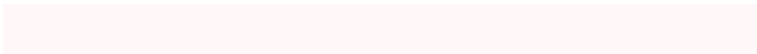
94.7455, 0.3192, 0.3335

# Square

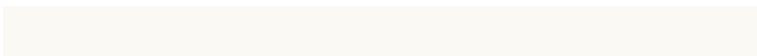
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



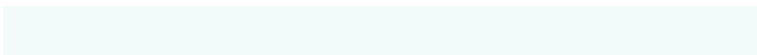
94.7455, 0.3080, 0.3232



94.7455, 0.3175, 0.3278



94.7455, 0.3175, 0.3349

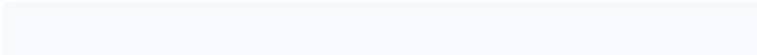


94.7455, 0.3079, 0.3302

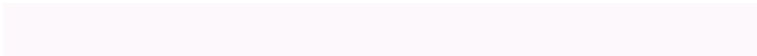


# Rectangle

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



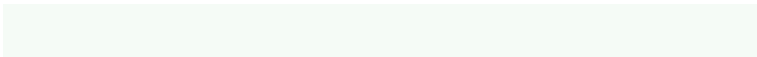
94.7455, 0.3080, 0.3232



94.7455, 0.3133, 0.3244



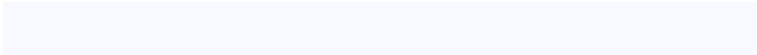
94.7455, 0.3175, 0.3349



94.7455, 0.3121, 0.3337

# Sweetspot

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



94.7495, 0.3080, 0.3232



98.3003, 0.3112, 0.3272



98.3757, 0.3090, 0.3309



21.0582, 0.3113, 0.3273



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.



94.7495, 0.3080, 0.3232



93.3125, 0.3066, 0.3215



93.9078, 0.3093, 0.3213



19.7106, 0.3055, 0.3201



5.8221, 0.1577, 0.0878

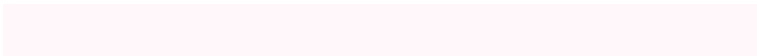


0.7301, 0.1635, 0.1085



# Inverse Universe

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



94.6400, 0.3166, 0.3271



93.1789, 0.3178, 0.3266



99.1018, 0.3161, 0.3366



19.6782, 0.3188, 0.3261



11.3157, 0.5945, 0.3049

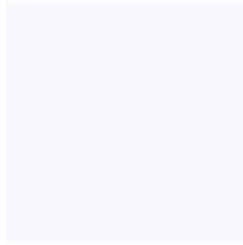


1.1182, 0.5632, 0.2876



# Previews

## White Background



This preview shows how the Yxy color 94.7455, 0.3080, 0.3232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

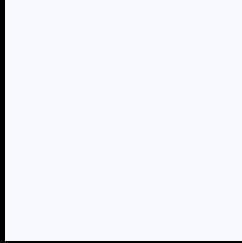
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.7455, 0.3080, 0.3232 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

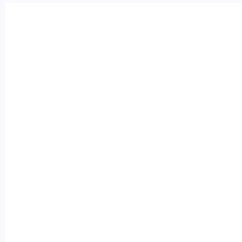
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.7455, 0.3080, 0.3232**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.7455, 0.3080, 0.3232.



This preview shows how white text looks on a background with the Yxy color 94.7455, 0.3080, 0.3232.

# 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**

94.7455, 0.3080, 0.3232

**Protanopia**

94.9860, 0.3117, 0.3232

**Deuteranopia**

94.7466, 0.3155, 0.3252

## **Tritanopia**

94.4945, 0.3092, 0.3222

# Trichromacy



**Original Color**

94.7455, 0.3080, 0.3232

**Protanomaly**

94.6146, 0.3105, 0.3232

**Deuteranomaly**

94.8585, 0.3129, 0.3252

**Tritanomaly**

94.3113, 0.3086, 0.3222

# Monochromacy



**Original Color**

94.7455, 0.3080, 0.3232

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.6729, 0.3109, 0.3271

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.7455, 0.3080, 0.3232 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(247, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 249, 255)  
}
```

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(247, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 94.7455, 0.3080, 0.3232 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(247, 249, 255) }
```

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

```
.border{ border-color:rgb(247, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 249, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 249, 255); box-shadow:4px 4px 4px 4px rgb(247, 249, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.7455, 0.3080, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 249, 255) }
```

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

```
.background{ background-color: rgb(247,  
249, 255) }
```

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