

# Converting Colors

$Yxy(94.3471, 0.3050, 0.3238)$

Have a look what the booklet for  
Yxy(94.3471, 0.3050, 0.3238)  
contains.

<b>Yxy(94.4685, 0.3048, 0.3241)</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(94.4685, 0.3048, 0.3241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FAFF
RGB	242, 250, 255
RGB Percent	95%, 98%, 100%
CMY	0.0512, 0.0195, 0.0000
CMYK	0.05, 0.02, 0.00, 0.00
HSL	203°, 100%, 97%
HSV	203°, 5%, 100%
XYZ	88.8429, 94.4685, 108.1680
YIQ	248.1780, -6.3730, -0.1410

# Conversions

## Conversions Part 2

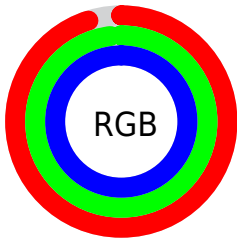
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 247, 255
Decimal	15923967
CIE Lab	97.82, -1.73, -3.32
CIE LCh	98, 3.743, 242.470
Yxy	94.4685, 0.3048, 0.3241
Android (android.graphics.Color)	4294114047 (0xFF2FAFF)
YUV	248.1780, 3.3632, -5.4181
Hunter-Lab	97.1949, -6.9296, 2.0527

# Details

The Yxy color 94.4685, 0.3048, 0.3241 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.1511, 0.3209, 0.3338, and the grayscale version is 93.9952, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.0999, 0.3035, 0.3240 is the 20% darker color. If you saturate the color by 10%, you get 84.3732, 0.2891, 0.3138, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

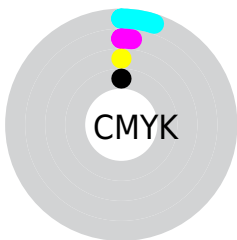
# Distribution



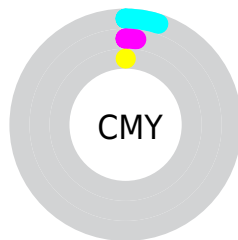
- Red (95%)
- Green (98%)
- Blue (100%)



- Red (95%)
- Yellow (97%)
- Blue (100%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.4685, 0.3048, 0.3241 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 94.4685, 0.3048, 0.3241 by changing the saturation by 10% instead.



 94.4685, 0.3048,  
0.3241

 94.4685, 0.3048,  
0.3241


542.4620, 0.3083,  
0.3263

 71.6927, 0.3040,  
0.3236

153.5301, 0.3060,  
0.3248

 52.9077, 0.3031,  
0.3230


190.5847, 0.3064,  
0.3251

 37.7291, 0.3020,  
0.3223


233.1677, 0.3069,  
0.3254

 25.7725, 0.3005,  
0.3214

281.6634, 0.3072,  
0.3256

 16.6535, 0.2986,  
0.3202

336.4563, 0.3075,  
0.3258

 9.9878, 0.2960,  
0.3185

397.9308, 0.3078,

 5.3908, 0.2923,

0.3260

0.3161

466.4712, 0.3081,  
0.3261

■ 2.4784, 0.2863,  
0.3122

■ 0.8658, 0.2752,  
0.3052

■ 94.4685, 0.3048,  
0.3241

■ 94.4685, 0.3048,  
0.3241

■ 84.3732, 0.2891,  
0.3138

100.0000, 0.3127,  
0.3290

■ 75.1858, 0.2733,  
0.3023

■ 66.8769, 0.2577,  
0.2899

■ 59.4119, 0.2427,  
0.2765

■ 52.7532, 0.2288,  
0.2623

■ 46.8597, 0.2162,  
0.2476

■ 41.6856, 0.2055,  
0.2326

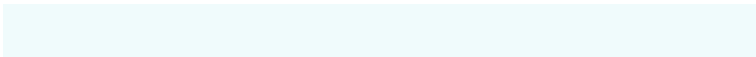
■ 37.1781, 0.1968,  
0.2177

■ 33.2732, 0.1904,  
0.2031

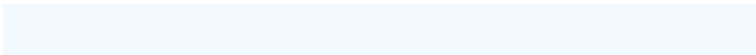
# Harmonies

## Analogous

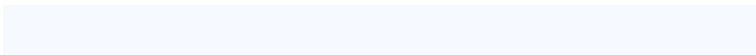
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4685, 0.3052, 0.3273



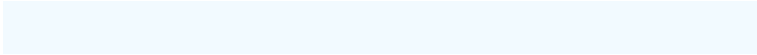
94.4685, 0.3048, 0.3241



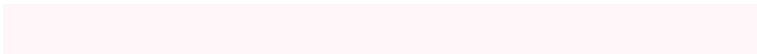
94.4685, 0.3065, 0.3222

# Triad

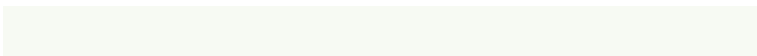
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.4685, 0.3048, 0.3241



94.4685, 0.3179, 0.3270



94.4685, 0.3155, 0.3360

# Complementary

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



94.4685, 0.3048, 0.3241



94.1511, 0.3209, 0.3338

# Split Complementary

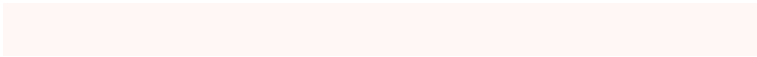
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4685, 0.3189, 0.3359



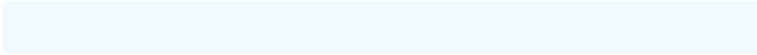
94.4685, 0.3048, 0.3241



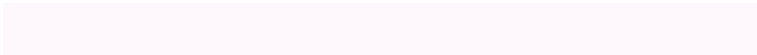
94.4685, 0.3203, 0.3306

# Square

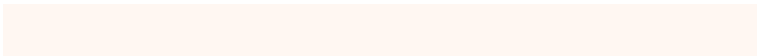
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



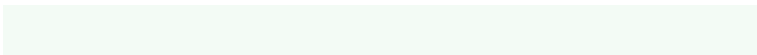
94.4685, 0.3048, 0.3241



94.4685, 0.3141, 0.3239



94.4685, 0.3207, 0.3339

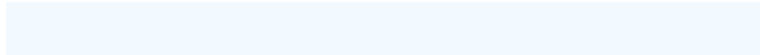


94.4685, 0.3113, 0.3343



# Rectangle

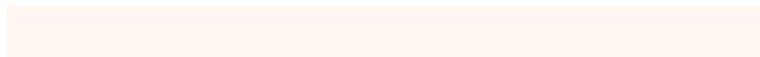
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.4685, 0.3048, 0.3241



94.4685, 0.3087, 0.3219



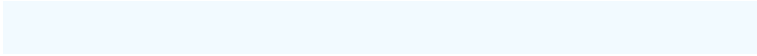
94.4685, 0.3207, 0.3339



94.4685, 0.3168, 0.3362

# Sweetspot

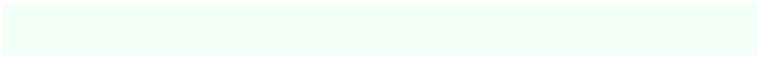
The Sweet Spot groups the original color and five complimentary colors.



94.4717, 0.3048, 0.3241



97.8091, 0.3096, 0.3271



97.0885, 0.3094, 0.3371



20.9582, 0.3098, 0.3272



0.0000, 0.0000, 0.0000

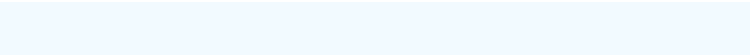


21.4041, 0.3127, 0.3290

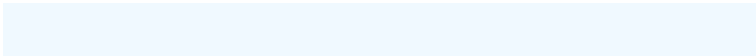


# Same Dimension

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



94.4717, 0.3048, 0.3241



93.5412, 0.3034, 0.3232



90.6069, 0.3049, 0.3179



19.8756, 0.3024, 0.3226



16.7792, 0.1885, 0.1985



1.8450, 0.1930, 0.2149



# Inverse Universe

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



91.6408, 0.3163, 0.3212



90.2530, 0.3170, 0.3199



98.0834, 0.3204, 0.3399



19.1008, 0.3175, 0.3189



12.4218, 0.4470, 0.2236

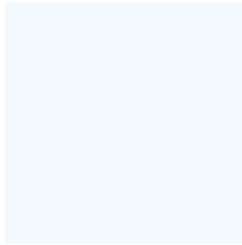


1.2308, 0.4287, 0.2135



# Previews

## White Background



This preview shows how the Yxy color 94.4685, 0.3048, 0.3241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

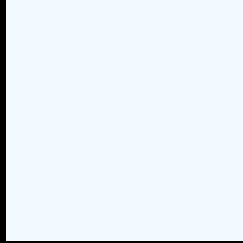
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.4685, 0.3048, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

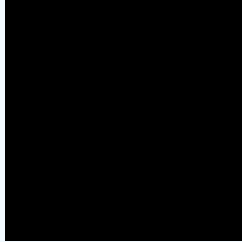
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

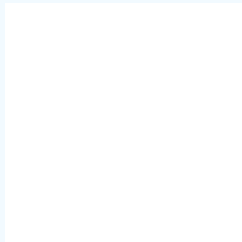
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.4685, 0.3048, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.4685, 0.3048, 0.3241.

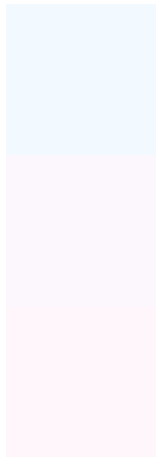


This preview shows how white text looks on a background with the Yxy color 94.4685, 0.3048, 0.3241.

# 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

94.4685, 0.3048, 0.3241

### Protanopia

94.1226, 0.3117, 0.3232

### Deuteranopia

94.1366, 0.3155, 0.3242

## **Tritanopia**

94.1290, 0.3080, 0.3222

# Trichromacy



**Original Color**

94.4685, 0.3048, 0.3241

**Protanomaly**

94.2470, 0.3092, 0.3232

**Deuteranomaly**

93.8738, 0.3117, 0.3242

**Tritanomaly**

94.3838, 0.3067, 0.3232

# Monochromacy



**Original Color**

94.4685, 0.3048, 0.3241

**Achromatopsia**

93.8686, 0.3127, 0.3290

**Achromatomaly**

94.3092, 0.3097, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.4685, 0.3048, 0.3241 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(242, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 250, 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(242, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 94.4685, 0.3048, 0.3241 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(242, 250, 255) }
```

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

```
.border{ border-color:rgb(242, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.4685, 0.3048, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 250, 255) }
```

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

```
.background{ background-color: rgb(242,  
250, 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