

# Converting Colors

Yxy(96.4115, 0.3049, 0.3271)

Have a look what the booklet for  
Yxy(96.4115, 0.3049, 0.3271)  
contains.

<b>Yxy(96.3478, 0.3048, 0.3270)</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(96.3478, 0.3048, 0.3270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FDFF
RGB	242, 253, 255
RGB Percent	95%, 99%, 100%
CMY	0.0508, 0.0079, 0.0000
CMYK	0.05, 0.01, 0.00, 0.00
HSL	189°, 100%, 97%
HSV	189°, 5%, 100%
XYZ	89.8068, 96.3478, 108.4870
YIQ	249.9390, -7.1980, -1.7100

# Conversions

## Conversions Part 2

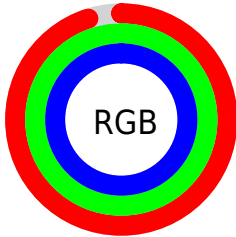
Format	Color
R <sub>Y</sub> B	242, 248, 255
Decimal	15924735
CIE Lab	98.57, -3.20, -2.22
CIE LCh	99, 3.896, 214.775
Yxy	96.3478, 0.3048, 0.3270
Android (android.graphics.Color)	4294114815 (0xFF2FDFF)
YUV	249.9390, 2.4951, -6.9625
Hunter-Lab	98.1569, -8.4595, 3.1801

# Details

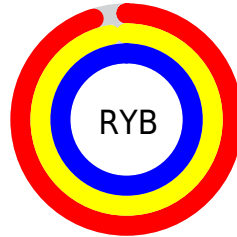
The Yxy color 96.3478, 0.3048, 0.3270 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.4074, 0.3211, 0.3310, and the grayscale version is 95.5354, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.9962, 0.3034, 0.3265 is the 20% darker color. If you saturate the color by 10%, you get 89.6772, 0.2895, 0.3228, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

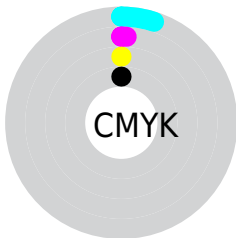
# Distribution



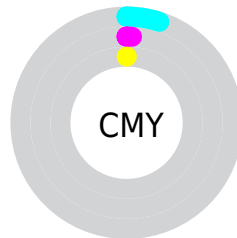
- Red (95%)
- Green (99%)
- Blue (100%)



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



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.3478, 0.3048, 0.3270 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 96.3478, 0.3048, 0.3270 by changing the saturation by 10% instead.



 96.3478, 0.3048,  
0.3270

 96.3478, 0.3048,  
0.3270

548.4709, 0.3083,  
0.3279

 73.2573, 0.3040,  
0.3268

156.1253, 0.3060,  
0.3273

 54.1863, 0.3031,  
0.3266

193.5811, 0.3064,  
0.3274

 38.7507, 0.3020,  
0.3263


236.5941, 0.3068,  
0.3275

 26.5658, 0.3006,  
0.3259

285.5487, 0.3072,  
0.3276

 17.2474, 0.2987,  
0.3254

340.8292, 0.3075,  
0.3277

 10.4110, 0.2962,  
0.3247

402.8202, 0.3078,

 5.6723, 0.2925,

0.3278

0.3236

471.9060, 0.3081,  
0.3278

■ 2.6469, 0.2867,  
0.3220

■ 0.9503, 0.2764,  
0.3189

■ 96.3478, 0.3048,  
0.3270

■ 96.3478, 0.3048,  
0.3270

■ 89.6772, 0.2895,  
0.3228

100.0000, 0.3127,  
0.3290

■ 83.6584, 0.2748,  
0.3183

■ 78.2664, 0.2610,  
0.3134

■ 73.4709, 0.2484,  
0.3083

■ 69.2392, 0.2374,  
0.3029

■ 65.5349, 0.2281,  
0.2973

■ 62.3172, 0.2207,  
0.2917

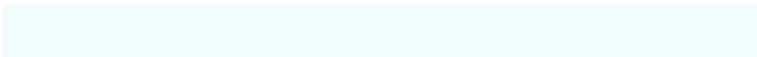
■ 59.5384, 0.2153,  
0.2861

■ 57.1400, 0.2118,  
0.2806

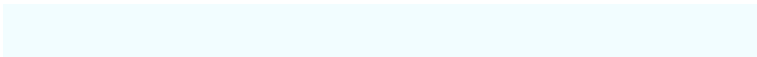
# Harmonies

## Analogous

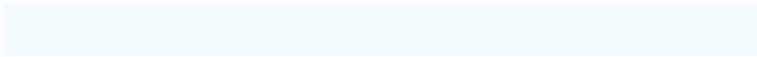
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3478, 0.3071, 0.3309



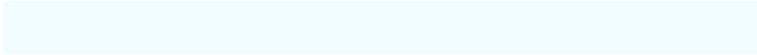
96.3478, 0.3048, 0.3270



96.3478, 0.3046, 0.3237

# Triad

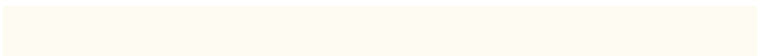
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.3478, 0.3048, 0.3270



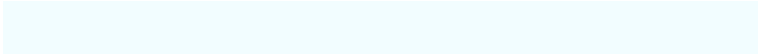
96.3478, 0.3145, 0.3239



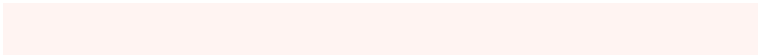
96.3478, 0.3189, 0.3362

# Complementary

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



96.3478, 0.3048, 0.3270



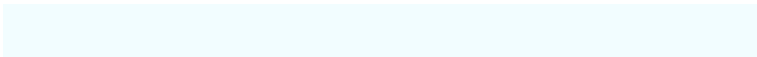
92.4074, 0.3211, 0.3310

# 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.



96.3478, 0.3209, 0.3343



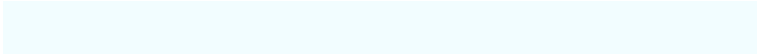
96.3478, 0.3048, 0.3270



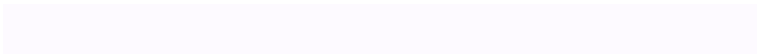
96.3478, 0.3184, 0.3272

# Square

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



96.3478, 0.3048, 0.3270



96.3478, 0.3102, 0.3220



96.3478, 0.3207, 0.3310

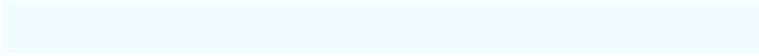


96.3478, 0.3152, 0.3362

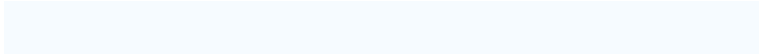


# Rectangle

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



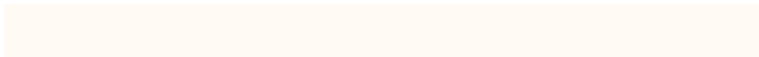
96.3478, 0.3048, 0.3270



96.3478, 0.3057, 0.3223



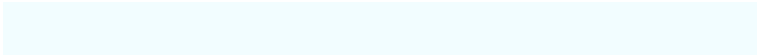
96.3478, 0.3207, 0.3310



96.3478, 0.3198, 0.3357

# Sweetspot

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



96.3506, 0.3048, 0.3270



98.5421, 0.3096, 0.3282



96.9363, 0.3110, 0.3398



21.1074, 0.3098, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

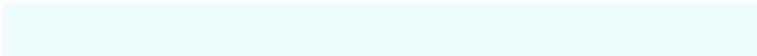


# Same Dimension

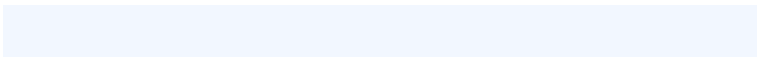
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.3506, 0.3048, 0.3270



95.7087, 0.3034, 0.3267



92.3700, 0.3049, 0.3207



20.3888, 0.3024, 0.3264



29.4724, 0.2108, 0.2788



2.9932, 0.2125, 0.2851



# Inverse Universe

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



91.8827, 0.3145, 0.3185



90.4718, 0.3149, 0.3166



96.3347, 0.3206, 0.3371



19.1526, 0.3151, 0.3152



13.7032, 0.3646, 0.1782



1.3467, 0.3588, 0.1750



# Previews

## White Background



This preview shows how the Yxy color 96.3478, 0.3048, 0.3270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

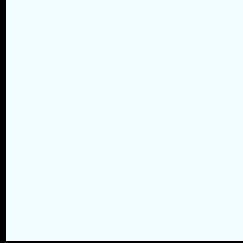
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.3478, 0.3048, 0.3270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

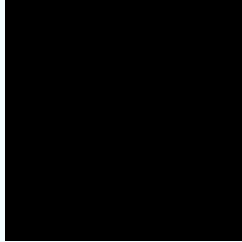
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.3478, 0.3048, 0.3270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.3478, 0.3048, 0.3270.



This preview shows how white text looks on a background with the Yxy color 96.3478, 0.3048, 0.3270.

# 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

96.3478, 0.3048, 0.3270



### Protanopia

95.9140, 0.3135, 0.3252

### Deuteranopia

96.0396, 0.3148, 0.3261

## **Tritanopia**

96.3541, 0.3091, 0.3251

# Trichromacy



**Original Color**

96.3478, 0.3048, 0.3270

**Protanomaly**

95.8510, 0.3104, 0.3251

**Deuteranomaly**

95.7871, 0.3110, 0.3261

**Tritanomaly**

96.4336, 0.3073, 0.3261

# Monochromacy



**Original Color**

96.3478, 0.3048, 0.3270

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.7968, 0.3096, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.3478, 0.3048, 0.3270 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 253, 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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 253, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 96.3478, 0.3048, 0.3270 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, 253, 255) }
```

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

```
.border{ border-color:rgb(242, 253, 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, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.3478, 0.3048, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 253, 255) }
```

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

```
.background{ background-color: rgb(242,  
253, 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