

# Converting Colors

$Yxy(70.4104, 0.2439, 0.3031)$

Have a look what the booklet for  
Yxy(70.4104, 0.2439, 0.3031)  
contains.

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# Color

**Yxy(70.4034, 0.2441, 0.3030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84E9FF
RGB	132, 233, 255
RGB Percent	52%, 91%, 100%
CMY	0.4820, 0.0863, 0.0000
CMYK	0.48, 0.09, 0.00, 0.00
HSL	191°, 100%, 76%
HSV	191°, 48%, 100%
XYZ	56.7177, 70.4034, 105.2333
YIQ	205.3090, -67.2580, -14.5700

# Conversions

## Conversions Part 2

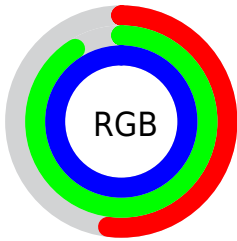
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 187, 255</a>
Decimal	<a href="#">8710655</a>
CIELab	<a href="#">87.19, -23.85, -19.82</a>
CIElCh	<a href="#">87, 31.012, 219.721</a>
Yxy	<a href="#">70.4034, 0.2441, 0.3030</a>
Android (android.graphics.Color)	<a href="#">4286900735</a> ( <a href="#">0xFF84E9FF</a> )
YUV	<a href="#">205.3090, 24.4977, -64.2920</a>
Hunter-Lab	<a href="#">83.9067, -26.1777, -15.6250</a>

# Details

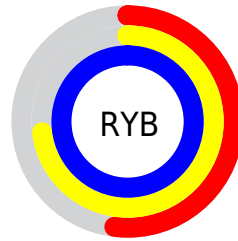
The Yxy color **70.4034, 0.2441, 0.3030** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0709, 0.4356, 0.3522**, and the grayscale version is **61.1425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **36.8236, 0.2288, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **66.0398, 0.2333, 0.2967**, and if you desaturate by 10%, it is **75.3376, 0.2565, 0.3091**.

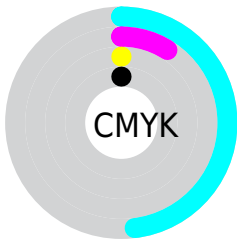
# Distribution



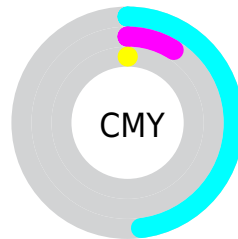
- Red (52%)
- Green (91%)
- Blue (100%)



- Red (52%)
- Yellow (73%)
- Blue (100%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4034, 0.2441, 0.3030 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 70.4034, 0.2441, 0.3030 by changing the saturation by 10% instead.





 70.4034, 0.2441,  
0.3030


 70.4034, 0.2441,  
0.3030


461.9651, 0.2751,  
0.3158


 51.8555, 0.2372,  
0.2999


 119.7839, 0.2547,  
0.3076

 36.8899, 0.2288,  
0.2960


 151.3852, 0.2589,  
0.3093

 25.1222, 0.2184,  
0.2909


 188.1064, 0.2625,  
0.3108

 16.1682, 0.2051,  
0.2841

230.3319, 0.2657,  
0.3121

 9.6432, 0.1877,  
0.2746

278.4462, 0.2684,  
0.3132

 5.1631, 0.1641,  
0.2604

332.8336, 0.2709,

 2.3432, 0.1307,

0.3142

0.2377

393.8784, 0.2731,  
0.3151

0.7965, 0.0450,  
0.2051

0.0000, 0.0000,  
0.0000

70.4034, 0.2441,  
0.3030

70.4034, 0.2441,  
0.3030

66.0398, 0.2333,  
0.2967

75.3376, 0.2565,  
0.3091

62.2072, 0.2242,  
0.2902

80.8745, 0.2702,  
0.3149

58.8634, 0.2172,  
0.2836

87.0458, 0.2848,  
0.3203

55.9576, 0.2120,  
0.2771

93.8802, 0.3000,  
0.3253

■ 53.4205, 0.2087,  
0.2707

100.0000, 0.3127,  
0.3290

■ 52.9862, 0.2082,  
0.2695

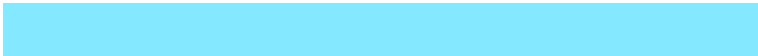
# Harmonies

## Analogous

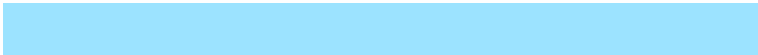
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4034, 0.2597, 0.3384



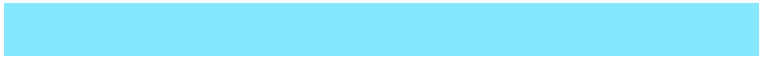
70.4034, 0.2441, 0.3030



70.4034, 0.2455, 0.2779

# Triad

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



70.4034, 0.2441, 0.3030



70.4034, 0.3334, 0.2900



70.4034, 0.3617, 0.3943

# Complementary

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



70.4034, 0.2441, 0.3030



46.0709, 0.4356, 0.3522

# 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.



70.4034, 0.3841, 0.3762



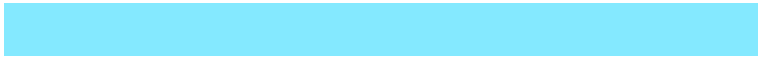
70.4034, 0.2441, 0.3030



70.4034, 0.3677, 0.3169

# Square

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



70.4034, 0.2441, 0.3030



70.4034, 0.2951, 0.2724



70.4034, 0.3866, 0.3477



70.4034, 0.3269, 0.3943

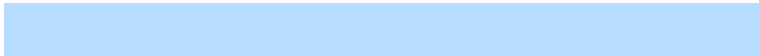


# Rectangle

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



70.4034, 0.2441, 0.3030



70.4034, 0.2557, 0.2693



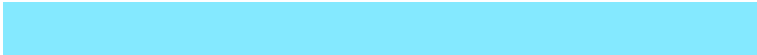
70.4034, 0.3866, 0.3477



70.4034, 0.3710, 0.3900

# Sweetspot

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



70.4040, 0.2441, 0.3030



89.8354, 0.2911, 0.3224



78.7181, 0.2962, 0.4572



18.9187, 0.2878, 0.3213



0.0000, 0.0000, 0.0000

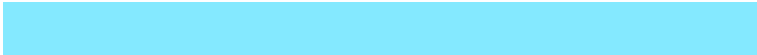


21.4041, 0.3127, 0.3290



# Same Dimension

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



70.4040, 0.2441, 0.3030



66.1227, 0.2335, 0.2968



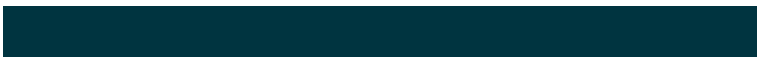
42.0410, 0.2298, 0.2272



19.8955, 0.2980, 0.3246



27.8873, 0.2085, 0.2706



2.8532, 0.2106, 0.2780



# Inverse Universe

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



43.6680, 0.3379, 0.2298



37.4263, 0.3446, 0.2129



71.0356, 0.4029, 0.4120



18.2413, 0.3166, 0.3097



13.5432, 0.3723, 0.1824

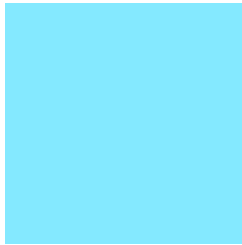


1.3326, 0.3653, 0.1786



# Previews

## White Background



This preview shows how the Yxy color 70.4034, 0.2441, 0.3030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

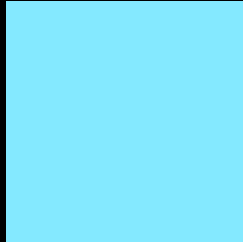
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4034, 0.2441, 0.3030 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 70.4034, 0.2441, 0.3030**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4034, 0.2441, 0.3030.

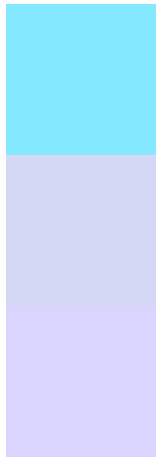


This preview shows how white text looks on a background with the Yxy color 70.4034, 0.2441, 0.3030.

# 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

70.4034, 0.2441, 0.3030

### Protanopia

69.7895, 0.2925, 0.2988

### Deuteranopia

69.7139, 0.2890, 0.2848



## Tritanopia

70.1314, 0.2450, 0.3064

# Trichromacy



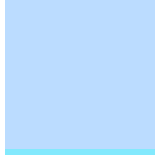
## Original Color

70.4034, 0.2441, 0.3030



## Protanomaly

69.2102, 0.2721, 0.2997



## Deuteranomaly

68.9712, 0.2699, 0.2902



## Tritanomaly

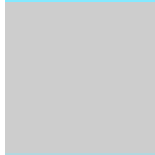
70.1950, 0.2445, 0.3053

# Monochromacy



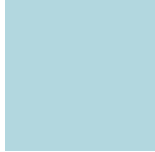
## Original Color

70.4034, 0.2441, 0.3030



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.3936, 0.2821, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4034, 0.2441, 0.3030 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(132, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 233, 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(132, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 233, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4034, 0.2441, 0.3030 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(132, 233, 255) }
```

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

```
.border{ border-color:rgb(132, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 233,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4034, 0.2441, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 233, 255) }
```

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

```
.background{ background-color: rgb(132,  
233, 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](#).

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