

# Converting Colors

$Yxy(70.9341, 0.2436, 0.3045)$

Have a look what the booklet for  
Yxy(70.9341, 0.2436, 0.3045)  
contains.

<b>Yxy(70.8115, 0.2435, 0.3042)</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(70.8115, 0.2435, 0.3042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82EAFF
RGB	130, 234, 255
RGB Percent	51%, 92%, 100%
CMY	0.4901, 0.0824, 0.0000
CMYK	0.49, 0.08, 0.00, 0.00
HSL	190°, 100%, 75%
HSV	190°, 49%, 100%
XYZ	56.6818, 70.8115, 105.2861
YIQ	205.2980, -68.7250, -15.5170

# Conversions

## Conversions Part 2

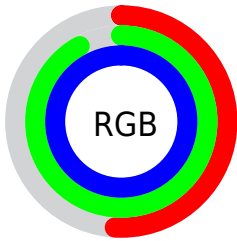
Format	Color
R <sub>Y</sub> B	130, 187, 255
Decimal	8579839
CIE Lab	87.39, -24.80, -19.51
CIE LCh	87, 31.554, 218.190
Yxy	70.8115, 0.2435, 0.3042
Android (android.graphics.Color)	4286769919 (0xFF82EAF <sub>F</sub> )
YUV	205.2980, 24.5031, -66.0363
Hunter-Lab	84.1496, -27.0270, -15.2777

# Details

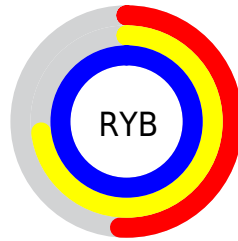
The Yxy color **70.8115, 0.2435, 0.3042** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.0167, 0.4395, 0.3511**, and the grayscale version is **61.1302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **37.1113, 0.2281, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **66.6303, 0.2329, 0.2983**, and if you desaturate by 10%, it is **75.5567, 0.2557, 0.3099**.

# Distribution



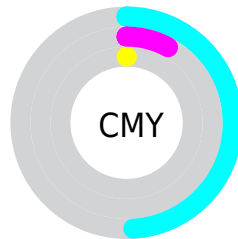
- Red (51%)
- Green (92%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8115, 0.2435, 0.3042 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 70.8115, 0.2435, 0.3042 by changing the saturation by 10% instead.




 70.8115, 0.2435,  
0.3042

 70.8115, 0.2435,  
0.3042

463.3942, 0.2748,  
0.3165


 52.1884, 0.2366,  
0.3012


 120.3653, 0.2542,  
0.3086

 37.1553, 0.2281,  
0.2975


 152.0647, 0.2584,  
0.3103

 25.3277, 0.2177,  
0.2926


 188.8918, 0.2620,  
0.3117

 16.3214, 0.2043,  
0.2860

231.2308, 0.2652,  
0.3129

 9.7519, 0.1868,  
0.2768

279.4661, 0.2680,  
0.3140

 5.2347, 0.1631,  
0.2630

333.9822, 0.2705,

 2.3856, 0.1298,

0.3149

0.2408

395.1634, 0.2728,  
0.3158

0.8185, 0.0442,  
0.2095

0.0000, 0.0000,  
0.0000

70.8115, 0.2435,  
0.3042

70.8115, 0.2435,  
0.3042

66.6303, 0.2329,  
0.2983

75.5567, 0.2557,  
0.3099

62.9669, 0.2242,  
0.2922

80.8921, 0.2691,  
0.3154

59.7809, 0.2174,  
0.2861

86.8513, 0.2836,  
0.3204

57.0209, 0.2126,  
0.2800

93.4635, 0.2988,  
0.3251

■ 54.6113, 0.2096,  
0.2740

99.9999, 0.3127,  
0.3290

■ 54.3814, 0.2093,  
0.2734

# Harmonies

## Analogous

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



70.8115, 0.2602, 0.3404



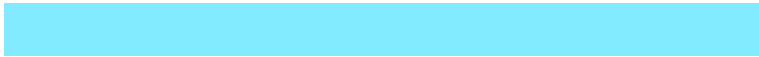
70.8115, 0.2435, 0.3042



70.8115, 0.2440, 0.2781

# Triad

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



70.8115, 0.2435, 0.3042



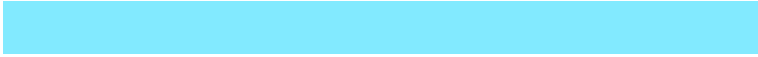
70.8115, 0.3317, 0.2883



70.8115, 0.3640, 0.3948

# Complementary

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



70.8115, 0.2435, 0.3042



45.0167, 0.4395, 0.3511

# 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.



70.8115, 0.3858, 0.3755



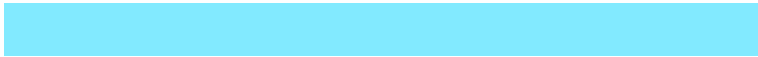
70.8115, 0.2435, 0.3042



70.8115, 0.3670, 0.3151

# Square

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



70.8115, 0.2435, 0.3042



70.8115, 0.2929, 0.2710



70.8115, 0.3873, 0.3464

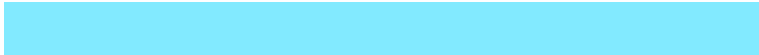


70.8115, 0.3290, 0.3959

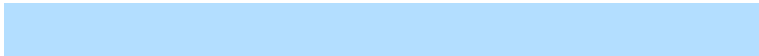


# Rectangle

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



70.8115, 0.2435, 0.3042



70.8115, 0.2539, 0.2689



70.8115, 0.3873, 0.3464



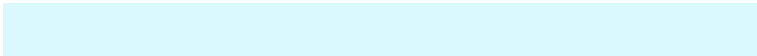
70.8115, 0.3732, 0.3900

# Sweetspot

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



70.8142, 0.2435, 0.3042



89.4208, 0.2896, 0.3224



78.4978, 0.2960, 0.4597



18.8476, 0.2864, 0.3214



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.



70.8142, 0.2435, 0.3042



66.6331, 0.2330, 0.2983



41.3557, 0.2284, 0.2251



19.9312, 0.2980, 0.3249



28.6075, 0.2096, 0.2744



2.9169, 0.2115, 0.2813



# Inverse Universe

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



43.1750, 0.3372, 0.2272



36.9691, 0.3436, 0.2100



70.6344, 0.4046, 0.4133



18.2449, 0.3164, 0.3094



13.6159, 0.3687, 0.1805

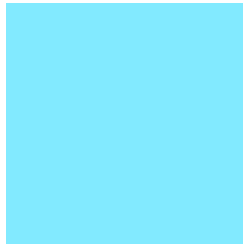


1.3390, 0.3623, 0.1769



# Previews

## White Background



This preview shows how the Yxy color 70.8115, 0.2435, 0.3042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

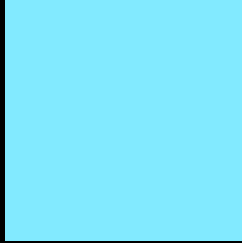
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8115, 0.2435, 0.3042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

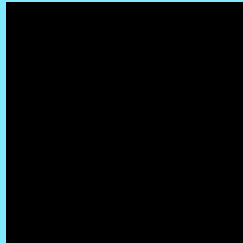
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.8115, 0.2435, 0.3042**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8115, 0.2435, 0.3042.

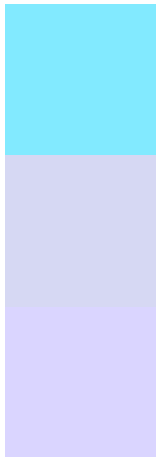


This preview shows how white text looks on a background with the Yxy color 70.8115, 0.2435, 0.3042.

# 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

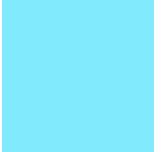
70.8115, 0.2435, 0.3042

### Protanopia

69.8789, 0.2938, 0.2999

### Deuteranopia

69.7139, 0.2890, 0.2848



## **Tritanopia**

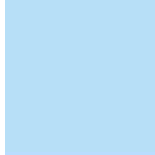
70.6046, 0.2439, 0.3064

# Trichromacy



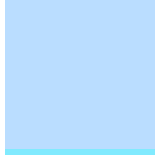
## Original Color

70.8115, 0.2435, 0.3042



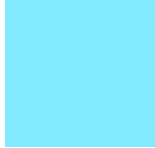
## Protanomaly

69.5580, 0.2722, 0.3019



## Deuteranomaly

69.3720, 0.2694, 0.2913



## Tritanomaly

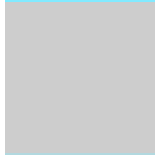
70.6685, 0.2435, 0.3053

# Monochromacy



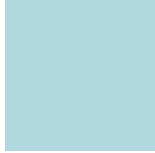
## Original Color

70.8115, 0.2435, 0.3042



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.9044, 0.2821, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8115, 0.2435, 0.3042 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(130, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 234, 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(130, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8115, 0.2435, 0.3042 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(130, 234, 255) }
```

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

```
.border{ border-color:rgb(130, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8115, 0.2435, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 234, 255) }
```

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

```
.background{ background-color: rgb(130,  
234, 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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