

# Converting Colors

$Yxy(76.8368, 0.2297, 0.2674)$

Have a look what the booklet for  
Yxy(76.8368, 0.2297, 0.2674)  
contains.

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# Color

**Yxy(74.0213, 0.2463, 0.3103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86EFFF
RGB	134, 239, 255
RGB Percent	53%, 94%, 100%
CMY	0.4741, 0.0628, 0.0001
CMYK	0.47, 0.06, 0.00, 0.00
HSL	188°, 100%, 76%
HSV	188°, 47%, 100%
XYZ	58.7543, 74.0213, 105.7720
YIQ	209.4290, -67.7160, -17.2840

# Conversions

## Conversions Part 2

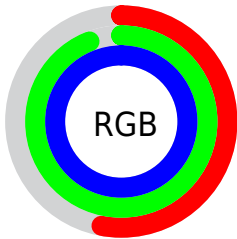
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 190, 255
Decimal	8843263
CIELab	88.93, -26.37, -17.16
CIELCh	89, 31.458, 213.055
Yxy	74.0213, 0.2463, 0.3103
Android (android.graphics.Color)	4287033343 (0xFF86EFFF)
YUV	209.4290, 22.4665, -66.1512
Hunter-Lab	86.0356, -28.6636, -12.6660

# Details

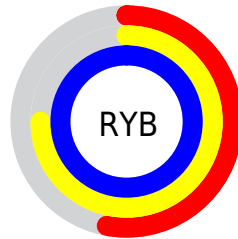
The Yxy color **74.0213, 0.2463, 0.3103** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.8124, 0.4358, 0.3460**, and the grayscale version is **63.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **39.3219, 0.2318, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **70.2191, 0.2359, 0.3057**, and if you desaturate by 10%, it is **78.3710, 0.2583, 0.3147**.

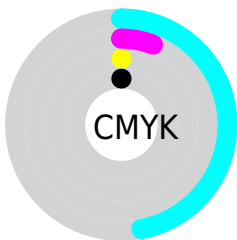
# Distribution



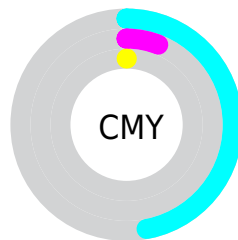
- Red (53%)
- Green (94%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.0213, 0.2463, 0.3103 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 74.0213, 0.2463, 0.3103 by changing the saturation by 10% instead.





 74.0213, 0.2463,  
0.3103

 74.0213, 0.2463,  
0.3103


474.5469, 0.2761,  
0.3197

 54.8115, 0.2397,  
0.3080


 124.9260, 0.2565,  
0.3137

 39.2508, 0.2317,  
0.3051


 157.3897, 0.2605,  
0.3150

 26.9549, 0.2218,  
0.3013


195.0401, 0.2639,  
0.3161

 17.5393, 0.2092,  
0.2962

238.2616, 0.2670,  
0.3170

 10.6198, 0.1927,  
0.2889

287.4386, 0.2697,  
0.3178

 5.8118, 0.1703,  
0.2780


342.9556, 0.2721,

 2.7310, 0.1388,


0.3185


0.2602


405.1969, 0.2742,  
0.3191


 0.9929, 0.0697,  
0.2336


 0.0000, 0.0000,  
0.0000


 74.0213, 0.2463,  
0.3103


 74.0213, 0.2463,  
0.3103


 70.2191, 0.2359,  
0.3057


 78.3710, 0.2583,  
0.3147


 66.9189, 0.2274,  
0.3010

 83.2932, 0.2717,  
0.3189

 64.0814, 0.2208,  
0.2963

 88.8212, 0.2861,  
0.3229

 61.6570, 0.2162,  
0.2916

 94.9834, 0.3012,  
0.3265

■ 59.5813, 0.2133,  
0.2870

99.9981, 0.3127,  
0.3290

■ 59.0756, 0.2127,  
0.2858

# Harmonies

## Analogous

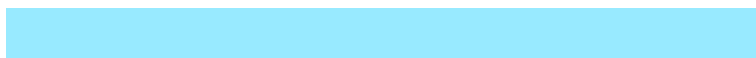
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0213, 0.2654, 0.3466



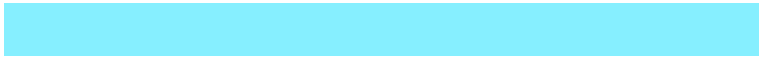
74.0213, 0.2463, 0.3103



74.0213, 0.2438, 0.2824

# Triad

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



74.0213, 0.2463, 0.3103



74.0213, 0.3248, 0.2853



74.0213, 0.3680, 0.3915

# Complementary

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



74.0213, 0.2463, 0.3103



44.8124, 0.4358, 0.3460

# 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.



74.0213, 0.3864, 0.3704



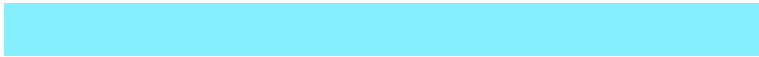
74.0213, 0.2463, 0.3103



74.0213, 0.3609, 0.3104

# Square

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



74.0213, 0.2463, 0.3103



74.0213, 0.2872, 0.2702



74.0213, 0.3840, 0.3408



74.0213, 0.3352, 0.3960

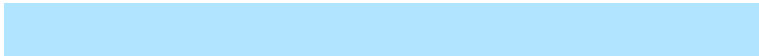


# Rectangle

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



74.0213, 0.2463, 0.3103



74.0213, 0.2517, 0.2716



74.0213, 0.3840, 0.3408



74.0213, 0.3761, 0.3859

# Sweetspot

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



74.0241, 0.2463, 0.3103



90.8732, 0.2912, 0.3241



78.7211, 0.2992, 0.4623



19.1739, 0.2879, 0.3233



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

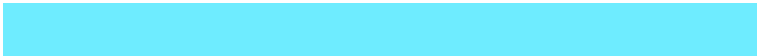


# Same Dimension

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



74.0241, 0.2463, 0.3103



70.3831, 0.2363, 0.3059



45.1100, 0.2327, 0.2370



20.0477, 0.2980, 0.3258



31.0359, 0.2129, 0.2866



3.1307, 0.2144, 0.2919



# Inverse Universe

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



44.5618, 0.3322, 0.2265



38.3805, 0.3371, 0.2090



68.3995, 0.4042, 0.4051



18.2566, 0.3158, 0.3086



13.8611, 0.3575, 0.1743

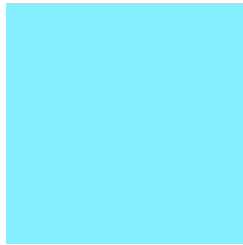


1.3606, 0.3527, 0.1716



# Previews

## White Background



This preview shows how the Yxy color 74.0213, 0.2463, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

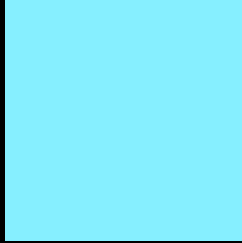
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.0213, 0.2463, 0.3103 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 74.0213, 0.2463, 0.3103**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.0213, 0.2463, 0.3103.

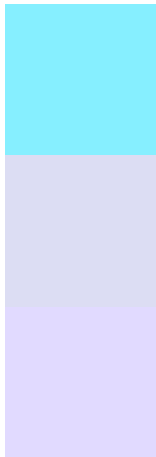


This preview shows how white text looks on a background with the Yxy color 74.0213, 0.2463, 0.3103.

# 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

74.0213, 0.2463, 0.3103

### Protanopia

73.3996, 0.2979, 0.3057

### Deuteranopia

73.3704, 0.2939, 0.2907



## Tritanopia

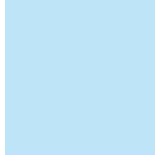
73.8081, 0.2506, 0.3082

# Trichromacy



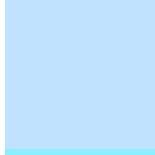
## Original Color

74.0213, 0.2463, 0.3103



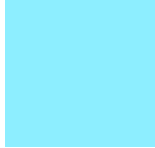
## Protanomaly

73.0210, 0.2762, 0.3079



## Deuteranomaly

72.8192, 0.2735, 0.2973



## Tritanomaly

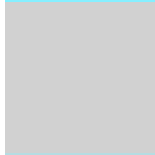
74.0318, 0.2490, 0.3092

# Monochromacy



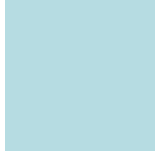
## Original Color

74.0213, 0.2463, 0.3103



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.6225, 0.2832, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.0213, 0.2463, 0.3103 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(134, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 239, 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(134, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 239, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.0213, 0.2463, 0.3103 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(134, 239, 255) }
```

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

```
.border{ border-color:rgb(134, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 239,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.0213, 0.2463, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 239, 255) }
```

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

```
.background{ background-color: rgb(134,  
239, 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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