

# Converting Colors

$Yxy(74.6366, 0.2531, 0.3089)$

Have a look what the booklet for  
Yxy(74.6366, 0.2531, 0.3089)  
contains.

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# Color

**Yxy(74.8531, 0.2530, 0.3095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96EEFF
RGB	150, 238, 255
RGB Percent	59%, 93%, 100%
CMY	0.4121, 0.0666, 0.0001
CMYK	0.41, 0.07, 0.00, 0.00
HSL	190°, 100%, 79%
HSV	190°, 41%, 100%
XYZ	61.1885, 74.8531, 105.8101
YIQ	213.6260, -57.9050, -13.3690

# Conversions

## Conversions Part 2

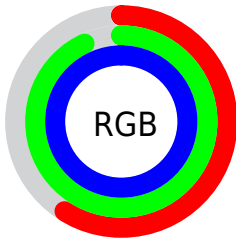
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 198, 255
Decimal	9891583
CIE <sub>Lab</sub>	89.32, -22.25, -16.51
CIE <sub>LCh</sub>	89, 27.706, 216.569
Yxy	74.8531, 0.2530, 0.3095
Android (android.graphics.Color)	4288081663 (0xFF96EEFF)
YUV	213.6260, 20.3974, -55.8000
Hunter-Lab	86.5177, -25.1642, -11.9486

# Details

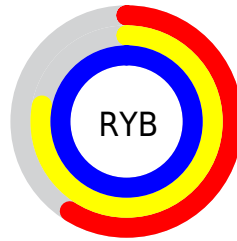
The Yxy color **74.8531, 0.2530, 0.3095** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.0506, 0.4116, 0.3471**, and the grayscale version is **66.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **39.8084, 0.2399, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **70.3263, 0.2412, 0.3040**, and if you desaturate by 10%, it is **79.9666, 0.2662, 0.3148**.

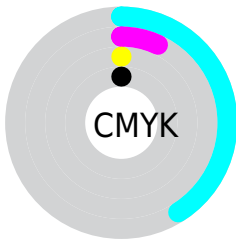
# Distribution



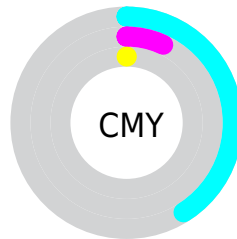
- Red (59%)
- Green (93%)
- Blue (100%)



- Red (59%)
- Yellow (78%)
- Blue (100%)



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8531, 0.2530, 0.3095 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 74.8531, 0.2530, 0.3095 by changing the saturation by 10% instead.





 74.8531, 0.2530,  
0.3095


 74.8531, 0.2530,  
0.3095

477.4125, 0.2799,  
0.3191

 55.4926, 0.2471,  
0.3072


 126.1044, 0.2622,  
0.3129

 39.7962, 0.2398,  
0.3043


 158.7639, 0.2658,  
0.3142

 27.3797, 0.2309,  
0.3006


196.6253, 0.2689,  
0.3153

 17.8586, 0.2194,  
0.2955

240.0728, 0.2716,  
0.3163

 10.8485, 0.2044,  
0.2885

289.4909, 0.2741,  
0.3171

 5.9651, 0.1839,  
0.2781

345.2639, 0.2762,

 2.8238, 0.1546,

0.3179

0.2613

407.7763, 0.2781,  
0.3185

1.0405, 0.0986,  
0.2342

0.0000, 0.0000,  
0.0000

74.8531, 0.2530,  
0.3095

74.8531, 0.2530,  
0.3095

70.3263, 0.2412,  
0.3040

79.9666, 0.2662,  
0.3148

66.3427, 0.2312,  
0.2982

85.6898, 0.2804,  
0.3197

62.8662, 0.2230,  
0.2924

92.0550, 0.2954,  
0.3243

59.8521, 0.2167,  
0.2865

99.0894, 0.3108,  
0.3285

■ 57.2468, 0.2124,  
0.2807

99.9985, 0.3127,  
0.3290

■ 55.2193, 0.2099,  
0.2757

# Harmonies

## Analogous

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



74.8531, 0.2685, 0.3407



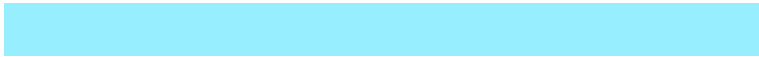
74.8531, 0.2530, 0.3095



74.8531, 0.2526, 0.2860

# Triad

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



74.8531, 0.2530, 0.3095



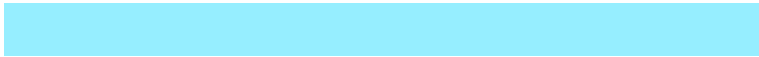
74.8531, 0.3274, 0.2925



74.8531, 0.3586, 0.3853

# Complementary

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



74.8531, 0.2530, 0.3095



51.0506, 0.4116, 0.3471

# 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.



74.8531, 0.3763, 0.3685



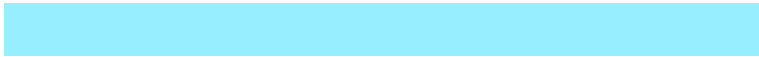
74.8531, 0.2530, 0.3095



74.8531, 0.3581, 0.3158

# Square

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



74.8531, 0.2530, 0.3095



74.8531, 0.2940, 0.2779



74.8531, 0.3764, 0.3430

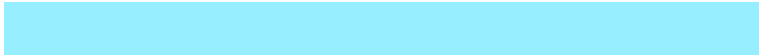


74.8531, 0.3289, 0.3867

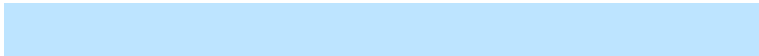


# Rectangle

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



74.8531, 0.2530, 0.3095



74.8531, 0.2607, 0.2773



74.8531, 0.3764, 0.3430



74.8531, 0.3662, 0.3811

# Sweetspot

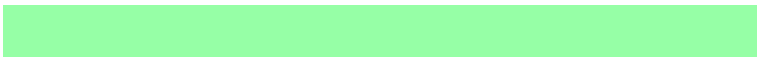
The Sweet Spot groups the original color and five complimentary colors.



74.8560, 0.2530, 0.3095



91.5401, 0.2942, 0.3240



80.7241, 0.2990, 0.4375



19.4088, 0.2922, 0.3234



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

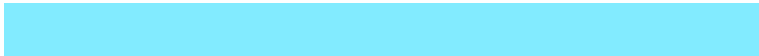


# Same Dimension

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



74.8560, 0.2530, 0.3095



71.2892, 0.2437, 0.3052



49.1069, 0.2429, 0.2468



19.9526, 0.2980, 0.3251



29.0453, 0.2102, 0.2766



2.9556, 0.2120, 0.2832



# Inverse Universe

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



49.2193, 0.3318, 0.2417



43.2269, 0.3364, 0.2265



73.7069, 0.3888, 0.3988



18.2470, 0.3163, 0.3093



13.6601, 0.3666, 0.1793

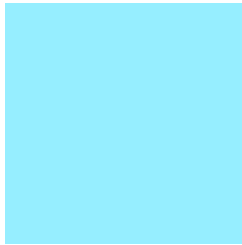


1.3429, 0.3605, 0.1760



# Previews

## White Background



This preview shows how the Yxy color 74.8531, 0.2530, 0.3095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

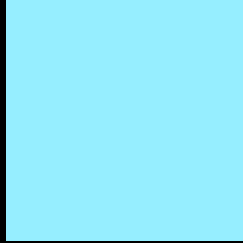
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8531, 0.2530, 0.3095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

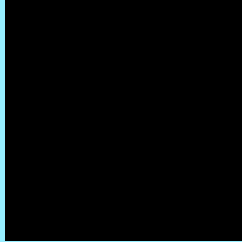
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.8531, 0.2530, 0.3095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8531, 0.2530, 0.3095.

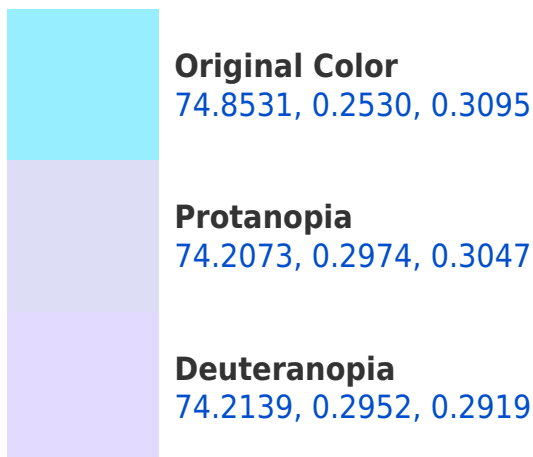


This preview shows how white text looks on a background with the Yxy color 74.8531, 0.2530, 0.3095.

# 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





## Tritanopia

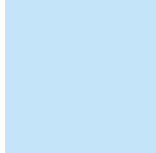
74.8563, 0.2557, 0.3084

# Trichromacy



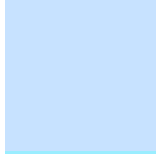
## Original Color

74.8531, 0.2530, 0.3095



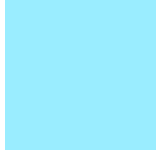
## Protanomaly

73.9285, 0.2787, 0.3060



## Deuteranomaly

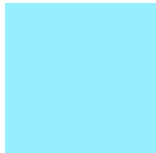
73.7548, 0.2777, 0.2977



## Tritanomaly

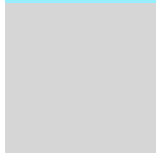
74.6584, 0.2547, 0.3084

# Monochromacy



## Original Color

74.8531, 0.2530, 0.3095



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.5089, 0.2874, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8531, 0.2530, 0.3095 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(150, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 238, 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(150, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8531, 0.2530, 0.3095 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(150, 238, 255) }
```

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

```
.border{ border-color:rgb(150, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8531, 0.2530, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 238, 255) }
```

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

```
.background{ background-color: rgb(150,  
238, 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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