

# Converting Colors

$Yxy(78.4686, 0.2303, 0.2541)$

Have a look what the booklet for  
Yxy(78.4686, 0.2303, 0.2541)  
contains.

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# Color

**Yxy(74.2724, 0.2528, 0.3083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96EDFF
RGB	150, 237, 255
RGB Percent	59%, 93%, 100%
CMY	0.4120, 0.0705, 0.0000
CMYK	0.41, 0.07, 0.00, 0.00
HSL	190°, 100%, 79%
HSV	190°, 41%, 100%
XYZ	60.9019, 74.2724, 105.7352
YIQ	213.0390, -57.6300, -12.8460

# Conversions

## Conversions Part 2

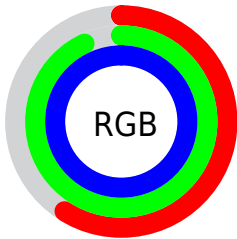
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 198, 255
Decimal	9891327
CIE <sub>Lab</sub>	89.05, -21.75, -16.93
CIE <sub>LCh</sub>	89, 27.563, 217.899
Yxy	74.2724, 0.2528, 0.3083
Android (android.graphics.Color)	4288081407 (0xFF96EDFF)
YUV	213.0390, 20.6868, -55.2852
Hunter-Lab	86.1814, -24.6767, -12.4153

# Details

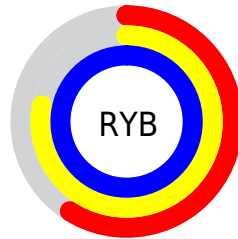
The Yxy color **74.2724, 0.2528, 0.3083** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.4334, 0.4111, 0.3482**, and the grayscale version is **66.4463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **39.4003, 0.2396, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **69.6179, 0.2409, 0.3024**, and if you desaturate by 10%, it is **79.5200, 0.2660, 0.3139**.

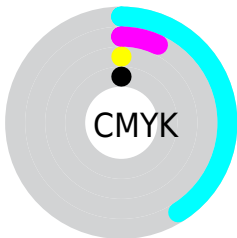
# Distribution



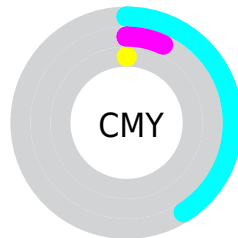
- Red (59%)
- Green (93%)
- Blue (100%)



- 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 74.2724, 0.2528, 0.3083 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 74.2724, 0.2528, 0.3083 by changing the saturation by 10% instead.





 74.2724, 0.2528,  
0.3083

 74.2724, 0.2528,  
0.3083


475.4130, 0.2798,  
0.3184

 55.0170, 0.2468,  
0.3059


 125.2819, 0.2620,  
0.3119

 39.4153, 0.2396,  
0.3028


 157.8048, 0.2656,  
0.3133

 27.0830, 0.2305,  
0.2989


195.5189, 0.2688,  
0.3145

 17.6356, 0.2190,  
0.2936

238.8088, 0.2715,  
0.3155

 10.6887, 0.2039,  
0.2862

288.0587, 0.2740,  
0.3164

 5.8579, 0.1832,  
0.2753

343.6532, 0.2761,

 2.7589, 0.1536,

0.3171

0.2577

405.9764, 0.2780,  
0.3178

■ 1.0072, 0.0961,  
0.2296

■ 0.0000, 0.0000,  
0.0000

■ 74.2724, 0.2528,  
0.3083

■ 74.2724, 0.2528,  
0.3083

■ 69.6179, 0.2409,  
0.3024

■ 79.5200, 0.2660,  
0.3139

■ 65.5134, 0.2307,  
0.2963

■ 85.3846, 0.2803,  
0.3192

■ 61.9228, 0.2224,  
0.2901

■ 91.8980, 0.2954,  
0.3240

■ 58.8011, 0.2160,  
0.2839

■ 99.0877, 0.3108,  
0.3285

■ 56.0946, 0.2116,  
0.2777

100.0000, 0.3127,  
0.3290

■ 53.9844, 0.2090,  
0.2723

# Harmonies

## Analogous

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



74.2724, 0.2676, 0.3393



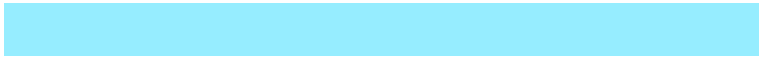
74.2724, 0.2528, 0.3083



74.2724, 0.2530, 0.2854

# Triad

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



74.2724, 0.2528, 0.3083



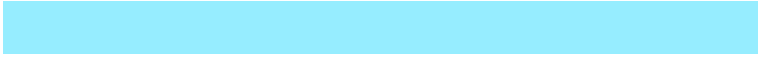
74.2724, 0.3289, 0.2935



74.2724, 0.3573, 0.3855

# Complementary

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



74.2724, 0.2528, 0.3083



51.4334, 0.4111, 0.3482

# 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.



74.2724, 0.3757, 0.3694



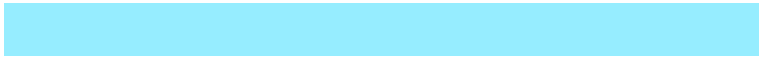
74.2724, 0.2528, 0.3083



74.2724, 0.3591, 0.3170

# Square

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



74.2724, 0.2528, 0.3083



74.2724, 0.2955, 0.2785



74.2724, 0.3766, 0.3442

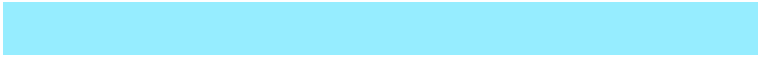


74.2724, 0.3274, 0.3862

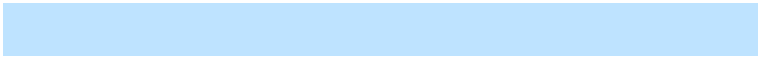


# Rectangle

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



74.2724, 0.2528, 0.3083



74.2724, 0.2616, 0.2771



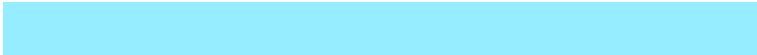
74.2724, 0.3766, 0.3442



74.2724, 0.3651, 0.3816

# Sweetspot

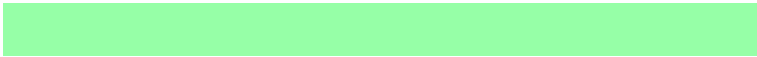
The Sweet Spot groups the original color and five complimentary colors.



74.2751, 0.2528, 0.3083



91.3549, 0.2942, 0.3237



80.8038, 0.2982, 0.4354



19.3650, 0.2922, 0.3231



0.0000, 0.0000, 0.0000

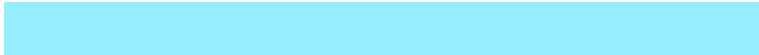


21.4041, 0.3127, 0.3290

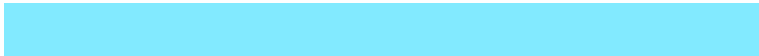


# Same Dimension

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



74.2751, 0.2528, 0.3083



70.5954, 0.2434, 0.3037



48.3759, 0.2425, 0.2446



19.9211, 0.2980, 0.3248



28.4025, 0.2093, 0.2733



2.8988, 0.2112, 0.2803



# Inverse Universe

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



49.1658, 0.3327, 0.2426



43.1569, 0.3375, 0.2275



74.6340, 0.3881, 0.4004



18.2438, 0.3164, 0.3095



13.5952, 0.3697, 0.1810

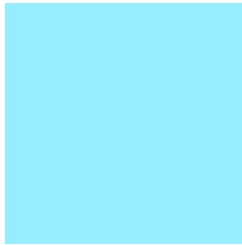


1.3372, 0.3632, 0.1774



# Previews

## White Background



This preview shows how the Yxy color 74.2724, 0.2528, 0.3083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

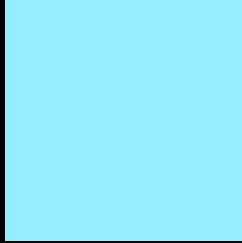
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2724, 0.2528, 0.3083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

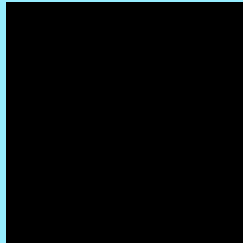
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.2724, 0.2528, 0.3083**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2724, 0.2528, 0.3083.

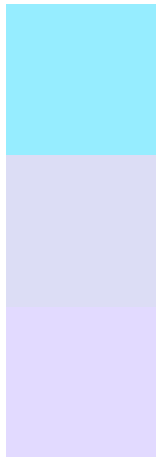


This preview shows how white text looks on a background with the Yxy color 74.2724, 0.2528, 0.3083.

# 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

74.2724, 0.2528, 0.3083

### Protanopia

73.5211, 0.2967, 0.3036

### Deuteranopia

73.5316, 0.2945, 0.2908



## Tritanopia

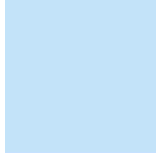
73.9832, 0.2540, 0.3072

# Trichromacy



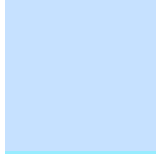
## Original Color

74.2724, 0.2528, 0.3083



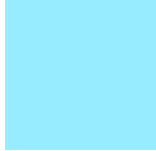
## Protanomaly

73.3798, 0.2787, 0.3049



## Deuteranomaly

73.0762, 0.2770, 0.2965



## Tritanomaly

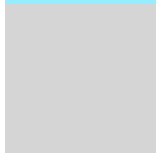
73.8863, 0.2536, 0.3072

# Monochromacy



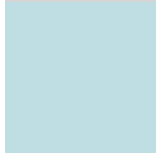
## Original Color

74.2724, 0.2528, 0.3083



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.7911, 0.2873, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2724, 0.2528, 0.3083 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 237, 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, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 237, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2724, 0.2528, 0.3083 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, 237, 255) }
```

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

```
.border{ border-color:rgb(150, 237, 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, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 237,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2724, 0.2528, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 237, 255) }
```

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

```
.background{ background-color: rgb(150,  
237, 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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