

# Converting Colors

$Yxy(73.4767, 0.2495, 0.3078)$

Have a look what the booklet for  
Yxy(73.4767, 0.2495, 0.3078)  
contains.

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# Color

**Yxy(73.6280, 0.2497, 0.3081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FEDFF
RGB	143, 237, 255
RGB Percent	56%, 93%, 100%
CMY	0.4389, 0.0706, 0.0000
CMYK	0.44, 0.07, 0.00, 0.00
HSL	190°, 100%, 78%
HSV	190°, 44%, 100%
XYZ	59.6719, 73.6280, 105.6745
YIQ	210.9460, -61.8020, -14.3300

# Conversions

## Conversions Part 2

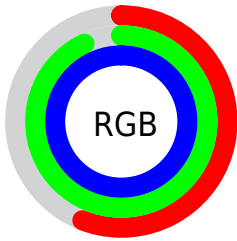
Format	Color
<b>RYB</b>	143, 194, 255
Decimal	9432575
CIELab	88.75, -23.36, -17.42
CIELCh	89, 29.138, 216.713
Yxy	73.6280, 0.2497, 0.3081
Android (android.graphics.Color)	4287622655 (0xFF8FEDFF)
YUV	210.9460, 21.7186, -59.5886
Hunter-Lab	85.8068, -26.0290, -12.9533

# Details

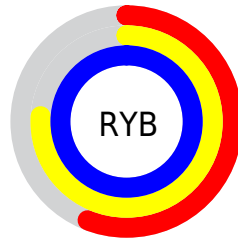
The Yxy color **73.6280, 0.2497, 0.3081** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.7672, 0.4210, 0.3482**, and the grayscale version is **65.0018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **39.0098, 0.2359, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **69.2573, 0.2384, 0.3025**, and if you desaturate by 10%, it is **78.5758, 0.2625, 0.3134**.

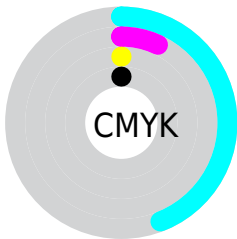
# Distribution



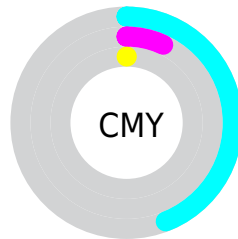
- Red (56%)
- Green (93%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6280, 0.2497, 0.3081 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 73.6280, 0.2497, 0.3081 by changing the saturation by 10% instead.





 73.6280, 0.2497,  
0.3081

 73.6280, 0.2497,  
0.3081


473.1885, 0.2781,  
0.3184

 54.4896, 0.2434,  
0.3056


 124.3683, 0.2594,  
0.3118

 38.9932, 0.2358,  
0.3025


 156.7391, 0.2632,  
0.3132

 26.7545, 0.2263,  
0.2984


194.2894, 0.2665,  
0.3144

 17.3889, 0.2142,  
0.2930

237.4037, 0.2694,  
0.3154

 10.5122, 0.1984,  
0.2853

286.4663, 0.2719,  
0.3163

 5.7398, 0.1768,  
0.2739

341.8618, 0.2742,

 2.6875, 0.1461,

0.3171

0.2556

403.9743, 0.2762,  
0.3178

■ 0.9709, 0.0819,  
0.2272

■ 0.0000, 0.0000,  
0.0000

■ 73.6280, 0.2497,  
0.3081

■ 73.6280, 0.2497,  
0.3081

■ 69.2573, 0.2384,  
0.3025

■ 78.5758, 0.2625,  
0.3134

■ 65.4197, 0.2288,  
0.2968

■ 84.1250, 0.2765,  
0.3185

■ 62.0776, 0.2211,  
0.2910

■ 90.3083, 0.2913,  
0.3231

■ 59.1843, 0.2154,  
0.2851

■ 97.1535, 0.3067,  
0.3274

■ 56.6828, 0.2116,  
0.2794

100.0000, 0.3127,  
0.3290

■ 55.2975, 0.2100,  
0.2759

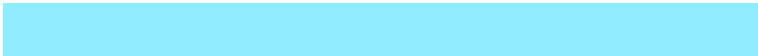
# Harmonies

## Analogous

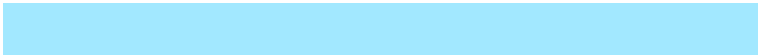
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6280, 0.2659, 0.3412



73.6280, 0.2497, 0.3081



73.6280, 0.2493, 0.2835

# Triad

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



73.6280, 0.2497, 0.3081



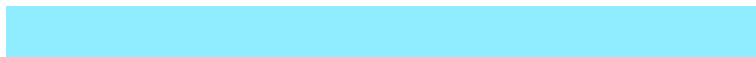
73.6280, 0.3284, 0.2907



73.6280, 0.3610, 0.3885

# Complementary

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



73.6280, 0.2497, 0.3081



48.7672, 0.4210, 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.



73.6280, 0.3799, 0.3706



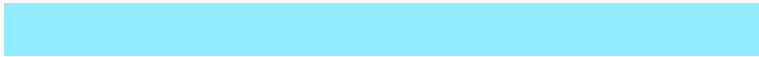
73.6280, 0.2497, 0.3081



73.6280, 0.3609, 0.3151

# Square

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



73.6280, 0.2497, 0.3081



73.6280, 0.2931, 0.2752



73.6280, 0.3801, 0.3438

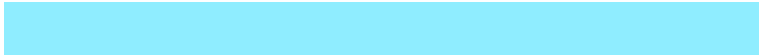


73.6280, 0.3295, 0.3901

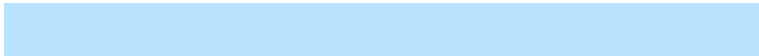


# Rectangle

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



73.6280, 0.2497, 0.3081



73.6280, 0.2579, 0.2744



73.6280, 0.3801, 0.3438



73.6280, 0.3691, 0.3840

# Sweetspot

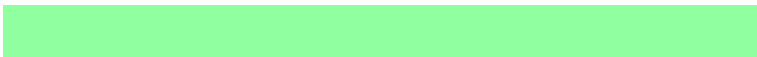
The Sweet Spot groups the original color and five complimentary colors.



73.6307, 0.2497, 0.3081



90.8897, 0.2926, 0.3235



79.9006, 0.2983, 0.4460



19.1473, 0.2893, 0.3226



0.0000, 0.0000, 0.0000

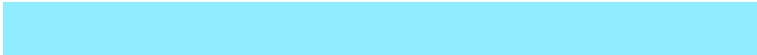


21.4041, 0.3127, 0.3290

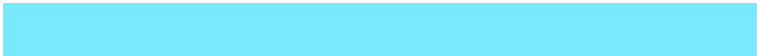


# Same Dimension

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



73.6307, 0.2497, 0.3081



69.6239, 0.2393, 0.3030



46.6270, 0.2380, 0.2404



19.9543, 0.2980, 0.3251



29.0799, 0.2102, 0.2768



2.9586, 0.2121, 0.2834



# Inverse Universe

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



47.0437, 0.3333, 0.2363



40.5546, 0.3387, 0.2192



72.2698, 0.3946, 0.4032



18.2472, 0.3163, 0.3093



13.6636, 0.3664, 0.1792

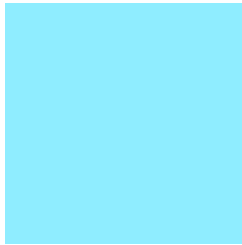


1.3432, 0.3603, 0.1759



# Previews

## White Background



This preview shows how the Yxy color 73.6280, 0.2497, 0.3081 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

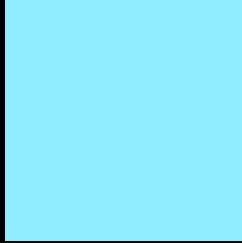
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6280, 0.2497, 0.3081 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

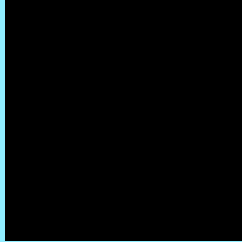
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.6280, 0.2497, 0.3081**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6280, 0.2497, 0.3081.

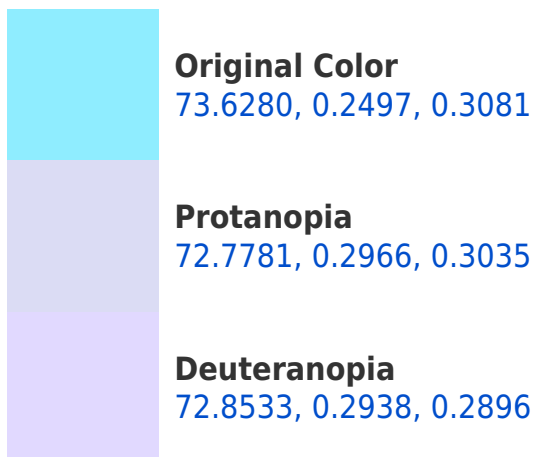


This preview shows how white text looks on a background with the Yxy color 73.6280, 0.2497, 0.3081.

# 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

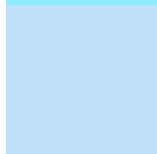
73.3219, 0.2508, 0.3070

# Trichromacy



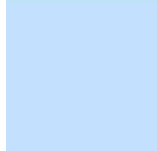
## Original Color

73.6280, 0.2497, 0.3081



## Protanomaly

72.2464, 0.2767, 0.3046



## Deuteranomaly

72.1334, 0.2751, 0.2952



## Tritanomaly

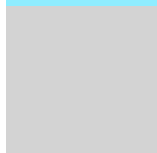
73.2306, 0.2504, 0.3070

# Monochromacy



## Original Color

73.6280, 0.2497, 0.3081



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.1716, 0.2852, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6280, 0.2497, 0.3081 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(143, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 237, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6280, 0.2497, 0.3081 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(143, 237, 255) }
```

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

```
.border{ border-color:rgb(143, 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(143, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 237,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6280, 0.2497, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 237, 255) }
```

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

```
.background{ background-color: rgb(143,  
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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