

# Converting Colors

$Yxy(75.4327, 0.2412, 0.2835)$

Have a look what the booklet for  
Yxy(75.4327, 0.2412, 0.2835)  
contains.

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# Color

**Yxy(73.9914, 0.2515, 0.3082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93EDFF
RGB	147, 237, 255
RGB Percent	58%, 93%, 100%
CMY	0.4231, 0.0706, 0.0000
CMYK	0.42, 0.07, 0.00, 0.00
HSL	190°, 100%, 79%
HSV	190°, 42%, 100%
XYZ	60.3791, 73.9914, 105.7054
YIQ	212.1420, -59.4180, -13.4820

# Conversions

## Conversions Part 2

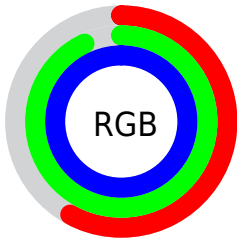
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 196, 255
Decimal	9694719
CIELab	88.92, -22.42, -17.14
CIELCh	89, 28.218, 217.406
Yxy	73.9914, 0.2515, 0.3082
Android (android.graphics.Color)	4287884799 (0xFF93EDFF)
YUV	212.1420, 21.1290, -57.1295
Hunter-Lab	86.0183, -25.2368, -12.6470

# Details

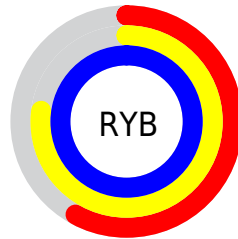
The Yxy color **73.9914, 0.2515, 0.3082** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.3194, 0.4151, 0.3482**, and the grayscale version is **65.8398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **39.2488, 0.2382, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **69.4550, 0.2399, 0.3024**, and if you desaturate by 10%, it is **79.1146, 0.2646, 0.3137**.

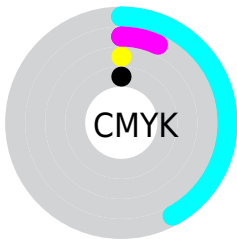
# Distribution



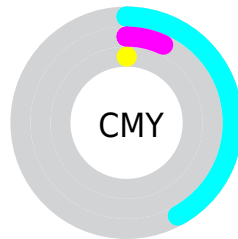
- Red (58%)
- Green (93%)
- Blue (100%)



- Red (58%)
- Yellow (77%)
- Blue (100%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9914, 0.2515, 0.3082 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 73.9914, 0.2515, 0.3082 by changing the saturation by 10% instead.




 73.9914, 0.2515,  
0.3082

 73.9914, 0.2515,  
0.3082

474.4437, 0.2791,  
0.3184

 54.7870, 0.2454,  
0.3057


 124.8836, 0.2609,  
0.3118

 39.2312, 0.2380,  
0.3027


 157.3402, 0.2646,  
0.3132

 26.9396, 0.2288,  
0.2987


194.9830, 0.2678,  
0.3144

 17.5279, 0.2170,  
0.2933

238.1964, 0.2706,  
0.3154

 10.6116, 0.2016,  
0.2858

287.3648, 0.2731,  
0.3163

 5.8063, 0.1805,  
0.2747

342.8725, 0.2753,

 2.7277, 0.1504,

0.3171

0.2568

405.1040, 0.2773,  
0.3178

0.9913, 0.0902,  
0.2285

0.0000, 0.0000,  
0.0000

73.9914, 0.2515,  
0.3082

73.9914, 0.2515,  
0.3082

69.4550, 0.2399,  
0.3024

79.1146, 0.2646,  
0.3137

65.4615, 0.2299,  
0.2965

84.8481, 0.2787,  
0.3189

61.9742, 0.2218,  
0.2904

91.2243, 0.2937,  
0.3237

58.9475, 0.2157,  
0.2844

98.2707, 0.3091,  
0.3280

■ 56.3265, 0.2116,  
0.2783

100.0000, 0.3127,  
0.3290

■ 54.5252, 0.2094,  
0.2738

# Harmonies

## Analogous

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



73.9914, 0.2669, 0.3401



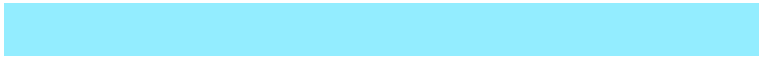
73.9914, 0.2515, 0.3082



73.9914, 0.2515, 0.2846

# Triad

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



73.9914, 0.2515, 0.3082



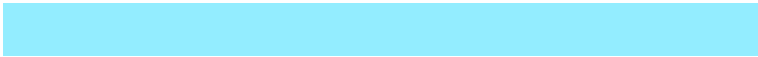
73.9914, 0.3287, 0.2923



73.9914, 0.3588, 0.3868

# Complementary

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



73.9914, 0.2515, 0.3082



50.3194, 0.4151, 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.



73.9914, 0.3775, 0.3699



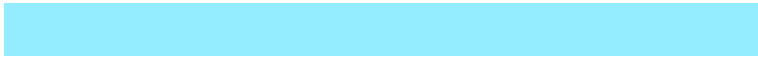
73.9914, 0.2515, 0.3082



73.9914, 0.3599, 0.3162

# Square

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



73.9914, 0.2515, 0.3082



73.9914, 0.2945, 0.2771



73.9914, 0.3781, 0.3440



73.9914, 0.3283, 0.3878

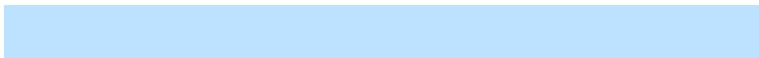


# Rectangle

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



73.9914, 0.2515, 0.3082



73.9914, 0.2601, 0.2760



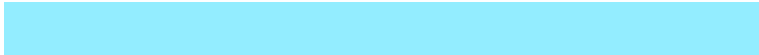
73.9914, 0.3781, 0.3440



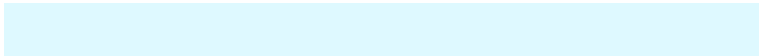
73.9914, 0.3668, 0.3826

# Sweetspot

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



73.9943, 0.2515, 0.3082



90.7662, 0.2926, 0.3233



80.4515, 0.2978, 0.4388



19.1165, 0.2893, 0.3223



0.0000, 0.0000, 0.0000

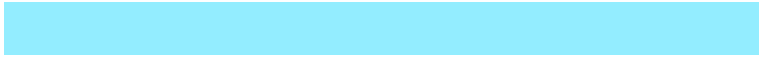


21.4041, 0.3127, 0.3290

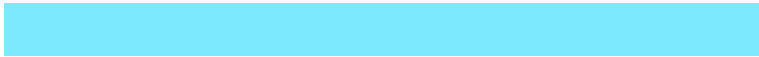


# Same Dimension

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



73.9943, 0.2515, 0.3082



70.0198, 0.2413, 0.3032



47.3263, 0.2405, 0.2419



19.9348, 0.2980, 0.3249



28.6816, 0.2097, 0.2748



2.9235, 0.2116, 0.2816



# Inverse Universe

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



48.2720, 0.3330, 0.2400



41.8145, 0.3383, 0.2234



74.0497, 0.3904, 0.4023



18.2452, 0.3164, 0.3094



13.6234, 0.3683, 0.1803

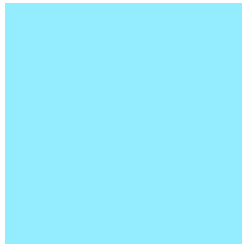


1.3397, 0.3620, 0.1768



# Previews

## White Background



This preview shows how the Yxy color 73.9914, 0.2515, 0.3082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

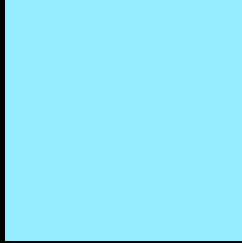
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9914, 0.2515, 0.3082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

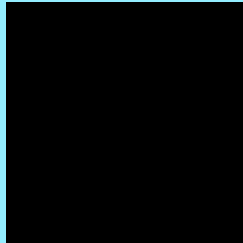
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.9914, 0.2515, 0.3082**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9914, 0.2515, 0.3082.

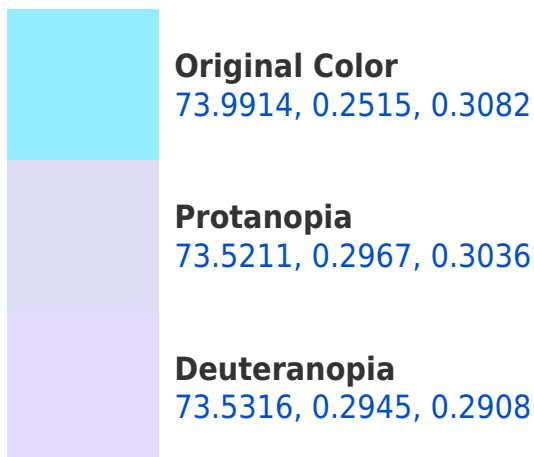


This preview shows how white text looks on a background with the Yxy color 73.9914, 0.2515, 0.3082.

# 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

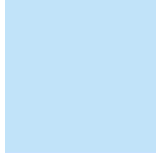
73.6949, 0.2526, 0.3071

# Trichromacy



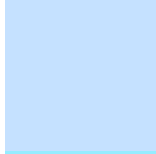
## Original Color

73.9914, 0.2515, 0.3082



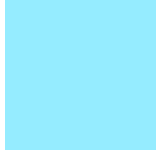
## Protanomaly

73.1152, 0.2774, 0.3048



## Deuteranomaly

72.9407, 0.2764, 0.2965



## Tritanomaly

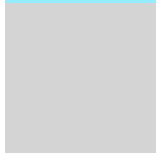
73.6005, 0.2522, 0.3071

# Monochromacy



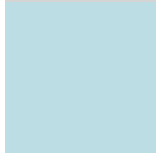
## Original Color

73.9914, 0.2515, 0.3082



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.0057, 0.2859, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9914, 0.2515, 0.3082 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(147, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 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(147, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 237, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9914, 0.2515, 0.3082 is called "border". The border property can be set on classes, ids or directly on the HTML element.

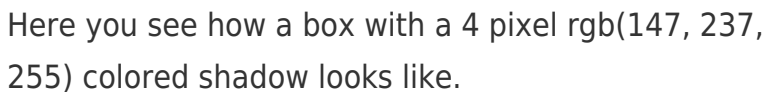
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 237, 255) }
```

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

```
.border{ border-color:rgb(147, 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(147, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 237,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9914, 0.2515, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 237, 255) }
```

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

```
.background{ background-color: rgb(147,  
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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