

# Converting Colors

$Yxy(82.3830, 0.2191, 0.2375)$

Have a look what the booklet for  
Yxy(82.3830, 0.2191, 0.2375)  
contains.

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# Color

**Yxy(76.2132, 0.2490, 0.3139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BF2FF
RGB	139, 242, 255
RGB Percent	55%, 95%, 100%
CMY	0.4547, 0.0510, 0.0000
CMYK	0.45, 0.05, 0.00, 0.00
HSL	187°, 100%, 77%
HSV	187°, 45%, 100%
XYZ	60.4558, 76.2132, 106.1255
YIQ	212.6850, -65.5610, -17.7930

# Conversions

## Conversions Part 2

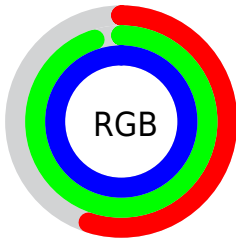
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 194, 255
Decimal	9171711
CIELab	89.96, -26.72, -15.61
CIELCh	90, 30.942, 210.299
Yxy	76.2132, 0.2490, 0.3139
Android (android.graphics.Color)	4287361791 (0xFF8BF2FF)
YUV	212.6850, 20.8613, -64.6217
Hunter-Lab	87.3002, -29.1631, -10.9651

# Details

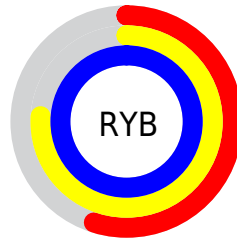
The Yxy color **76.2132, 0.2490, 0.3139** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.6011, 0.4297, 0.3429**, and the grayscale version is **66.2200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **40.8573, 0.2355, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **72.5814, 0.2385, 0.3101**, and if you desaturate by 10%, it is **80.3894, 0.2611, 0.3176**.

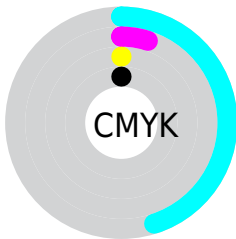
# Distribution



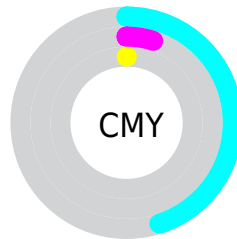
- Red (55%)
- Green (95%)
- Blue (100%)



- Red (55%)
- Yellow (76%)
- Blue (100%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2132, 0.2490, 0.3139 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 76.2132, 0.2490, 0.3139 by changing the saturation by 10% instead.




 76.2132, 0.2490,  
0.3139

 76.2132, 0.2490,  
0.3139

482.0772, 0.2775,  
0.3215

 56.6073, 0.2427,  
0.3120


 128.0282, 0.2587,  
0.3167

 40.6901, 0.2351,  
0.3096


 161.0062, 0.2625,  
0.3177

 28.0770, 0.2257,  
0.3065


199.2103, 0.2659,  
0.3186

 18.3837, 0.2137,  
0.3023

243.0250, 0.2688,  
0.3194

 11.2258, 0.1980,  
0.2962

292.8347, 0.2713,  
0.3200

 6.2189, 0.1767,  
0.2871

349.0236, 0.2736,

 2.9787, 0.1466,

0.3206

0.2721

411.9764, 0.2757,  
0.3211

■ 1.1206, 0.0877,  
0.2485

■ 0.0000, 0.0000,  
0.0000

■ 76.2132, 0.2490,  
0.3139

■ 76.2132, 0.2490,  
0.3139

■ 72.5814, 0.2385,  
0.3101

■ 80.3894, 0.2611,  
0.3176

■ 69.4490, 0.2299,  
0.3061

■ 85.1339, 0.2745,  
0.3211

■ 66.7779, 0.2232,  
0.3022

■ 90.4797, 0.2890,  
0.3244

■ 64.5205, 0.2185,  
0.2982

■ 96.4547, 0.3042,  
0.3275

■ 62.6177, 0.2155,  
0.2943

99.9996, 0.3127,  
0.3290

■ 61.8330, 0.2146,  
0.2926

# Harmonies

## Analogous

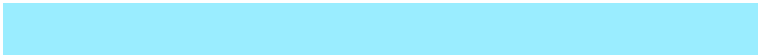
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2132, 0.2691, 0.3494



76.2132, 0.2490, 0.3139



76.2132, 0.2450, 0.2856

# Triad

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



76.2132, 0.2490, 0.3139



76.2132, 0.3210, 0.2845



76.2132, 0.3689, 0.3886

# Complementary

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



76.2132, 0.2490, 0.3139



45.6011, 0.4297, 0.3429

# 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.



76.2132, 0.3851, 0.3670



76.2132, 0.2490, 0.3139



76.2132, 0.3568, 0.3084

# Square

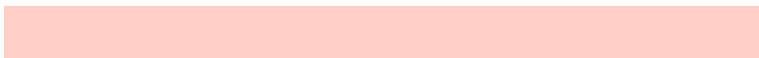
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2132, 0.2490, 0.3139



76.2132, 0.2848, 0.2709



76.2132, 0.3808, 0.3378



76.2132, 0.3379, 0.3946

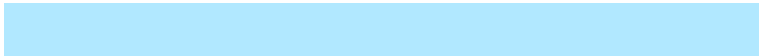


# Rectangle

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



76.2132, 0.2490, 0.3139



76.2132, 0.2517, 0.2741



76.2132, 0.3808, 0.3378



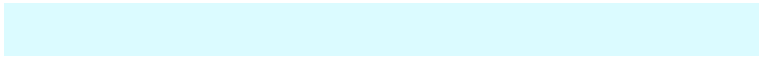
76.2132, 0.3764, 0.3827

# Sweetspot

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



76.2161, 0.2490, 0.3139



91.3194, 0.2912, 0.3249



79.2338, 0.3006, 0.4583



19.2838, 0.2880, 0.3242



0.0000, 0.0000, 0.0000

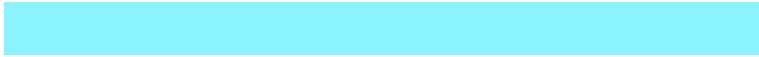


21.4041, 0.3127, 0.3290



# Same Dimension

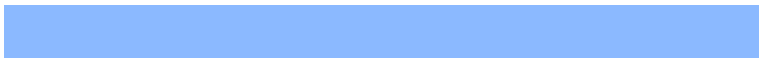
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2161, 0.2490, 0.3139



72.7426, 0.2390, 0.3102



47.5946, 0.2365, 0.2440



20.1130, 0.2980, 0.3263



32.4501, 0.2148, 0.2932



3.2544, 0.2160, 0.2977



# Inverse Universe

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



46.1531, 0.3291, 0.2284



39.7128, 0.3333, 0.2102



68.5403, 0.4007, 0.4003



18.2632, 0.3155, 0.3082



14.0038, 0.3514, 0.1710

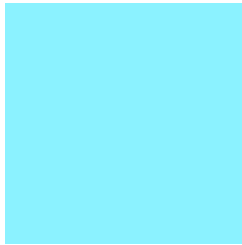


1.3731, 0.3475, 0.1688



# Previews

## White Background



This preview shows how the Yxy color 76.2132, 0.2490, 0.3139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

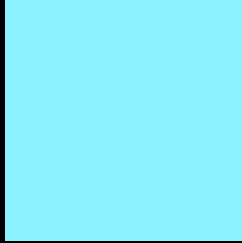
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2132, 0.2490, 0.3139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

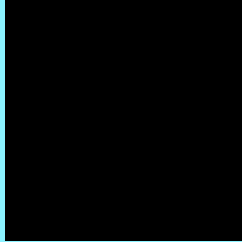
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.2132, 0.2490, 0.3139**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2132, 0.2490, 0.3139.

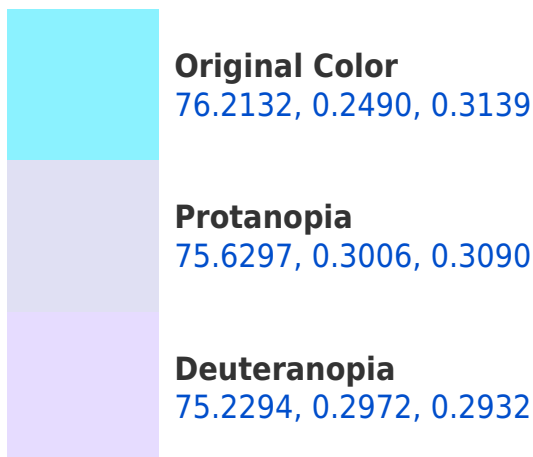


This preview shows how white text looks on a background with the Yxy color 76.2132, 0.2490, 0.3139.

# 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

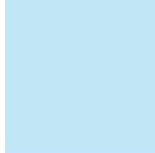
75.7400, 0.2573, 0.3097

# Trichromacy



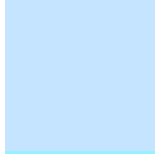
## Original Color

76.2132, 0.2490, 0.3139



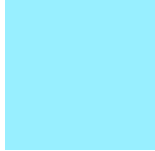
## Protanomaly

75.2047, 0.2789, 0.3114



## Deuteranomaly

74.5771, 0.2766, 0.2998



## Tritanomaly

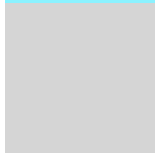
75.6284, 0.2541, 0.3107

# Monochromacy



## Original Color

76.2132, 0.2490, 0.3139



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.3518, 0.2848, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  76.2132, 0.2490, 0.3139 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(139, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 242, 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(139, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2132, 0.2490, 0.3139 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(139, 242, 255) }
```

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

```
.border{ border-color:rgb(139, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2132, 0.2490, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 242, 255) }
```

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

```
.background{ background-color: rgb(139,  
242, 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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