

# Converting Colors

$Yxy(76.8245, 0.2549, 0.3128)$

Have a look what the booklet for  
Yxy(76.8245, 0.2549, 0.3128)  
contains.

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# Color

**Yxy(76.9029, 0.2550, 0.3130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99F1FF
RGB	153, 241, 255
RGB Percent	60%, 95%, 100%
CMY	0.3997, 0.0549, 0.0000
CMYK	0.40, 0.05, 0.00, 0.00
HSL	188°, 100%, 80%
HSV	188°, 40%, 100%
XYZ	62.6525, 76.9029, 106.1407
YIQ	216.2840, -56.9420, -14.3020

# Conversions

## Conversions Part 2

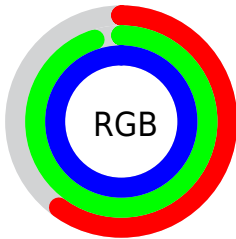
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 200, 255
Decimal	10088959
CIE Lab	90.28, -22.94, -15.07
CIE LCh	90, 27.450, 213.301
Yxy	76.9029, 0.2550, 0.3130
Android (android.graphics.Color)	4288279039 (0xFF99F1FF)
YUV	216.2840, 19.0870, -55.5001
Hunter-Lab	87.6943, -25.9371, -10.3756

# Details

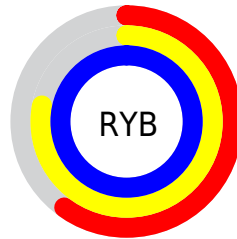
The Yxy color **76.9029, 0.2550, 0.3130** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2307, 0.4085, 0.3440**, and the grayscale version is **68.7835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **41.2619, 0.2428, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **72.6284, 0.2433, 0.3083**, and if you desaturate by 10%, it is **81.7535, 0.2681, 0.3174**.

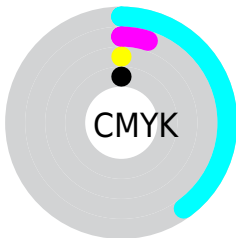
# Distribution



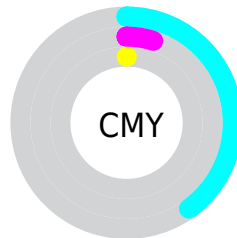
- Red (60%)
- Green (95%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9029, 0.2550, 0.3130 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 76.9029, 0.2550, 0.3130 by changing the saturation by 10% instead.



 76.9029, 0.2550,  
0.3130


 76.9029, 0.2550,  
0.3130


484.4329, 0.2809,  
0.3209

 57.1732, 0.2493,  
0.3111


 129.0024, 0.2638,  
0.3158

 41.1443, 0.2424,  
0.3087


 162.1410, 0.2673,  
0.3169

 28.4319, 0.2338,  
0.3056


200.5180, 0.2703,  
0.3178

 18.6515, 0.2228,  
0.3014

244.5178, 0.2729,  
0.3186

 11.4187, 0.2084,  
0.2955

294.5248, 0.2753,  
0.3193

 6.3492, 0.1888,  
0.2867

350.9234, 0.2773,

 3.0586, 0.1608,

0.3199

0.2724

414.0979, 0.2792,  
0.3204

■ 1.1624, 0.1114,  
0.2484

■ 0.0307, 0.0000,  
0.0273

■ 76.9029, 0.2550,  
0.3130

■ 76.9029, 0.2550,  
0.3130

■ 72.6284, 0.2433,  
0.3083

■ 81.7535, 0.2681,  
0.3174

■ 68.8867, 0.2333,  
0.3035

■ 87.2025, 0.2823,  
0.3216

■ 65.6426, 0.2252,  
0.2986

■ 93.2817, 0.2973,  
0.3255

■ 62.8523, 0.2191,  
0.2937

99.9994, 0.3127,  
0.3290

■ 60.4637, 0.2149,  
0.2888

■ 58.3921, 0.2122,  
0.2840

■ 58.3848, 0.2122,  
0.2840

# Harmonies

## Analogous

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



76.9029, 0.2717, 0.3440



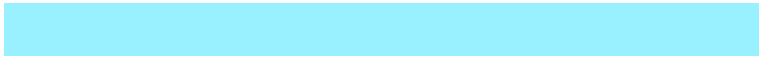
76.9029, 0.2550, 0.3130



76.9029, 0.2529, 0.2888

# Triad

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



76.9029, 0.2550, 0.3130



76.9029, 0.3235, 0.2911



76.9029, 0.3604, 0.3831

# Complementary

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



76.9029, 0.2550, 0.3130



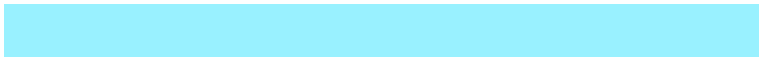
51.2307, 0.4085, 0.3440

# 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.



76.9029, 0.3761, 0.3654



76.9029, 0.2550, 0.3130



76.9029, 0.3544, 0.3132

# Square

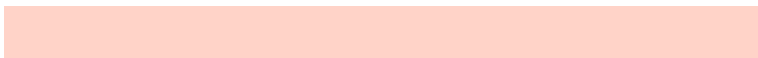
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



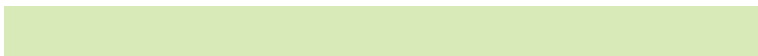
76.9029, 0.2550, 0.3130



76.9029, 0.2911, 0.2779



76.9029, 0.3741, 0.3399



76.9029, 0.3321, 0.3863

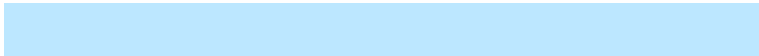


# Rectangle

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



76.9029, 0.2550, 0.3130



76.9029, 0.2599, 0.2792



76.9029, 0.3741, 0.3399



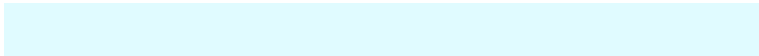
76.9029, 0.3673, 0.3785

# Sweetspot

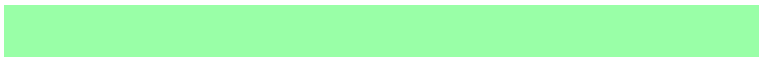
The Sweet Spot groups the original color and five complimentary colors.



76.9059, 0.2550, 0.3130



91.9983, 0.2942, 0.3247



81.0734, 0.3002, 0.4358



19.5173, 0.2922, 0.3242



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

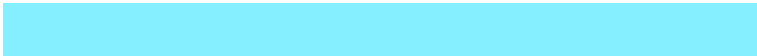


# Same Dimension

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



76.9059, 0.2550, 0.3130



73.4305, 0.2455, 0.3093



51.0235, 0.2454, 0.2519



20.0307, 0.2980, 0.3256



30.6740, 0.2125, 0.2848



3.0989, 0.2140, 0.2903



# Inverse Universe

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



50.4199, 0.3290, 0.2421



44.1096, 0.3331, 0.2259



73.5106, 0.3868, 0.3951



18.2549, 0.3159, 0.3087



13.8245, 0.3591, 0.1752

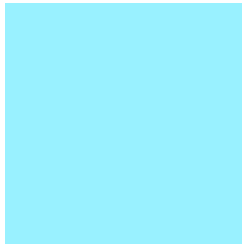


1.3574, 0.3540, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 76.9029, 0.2550, 0.3130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

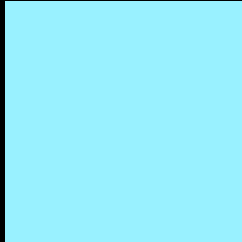
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9029, 0.2550, 0.3130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

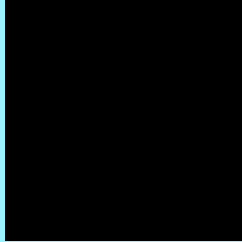
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.9029, 0.2550, 0.3130**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9029, 0.2550, 0.3130.

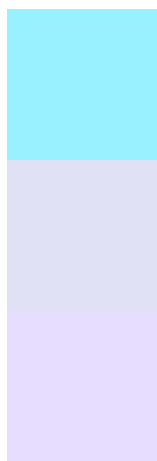


This preview shows how white text looks on a background with the Yxy color 76.9029, 0.2550, 0.3130.

# 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

76.9029, 0.2550, 0.3130

### Protanopia

76.4506, 0.3001, 0.3081

### Deuteranopia

75.9218, 0.2979, 0.2943



## Tritanopia

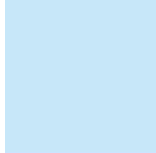
76.5846, 0.2612, 0.3099

# Trichromacy



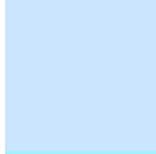
## Original Color

76.9029, 0.2550, 0.3130



## Protanomaly

76.1335, 0.2814, 0.3094



## Deuteranomaly

75.4033, 0.2803, 0.3001



## Tritanomaly

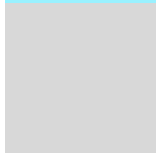
76.6344, 0.2589, 0.3109

# Monochromacy



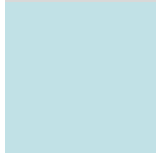
## Original Color

76.9029, 0.2550, 0.3130



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.9011, 0.2882, 0.3233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9029, 0.2550, 0.3130 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(153, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 241, 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(153, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 241, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9029, 0.2550, 0.3130 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(153, 241, 255) }
```

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

```
.border{ border-color:rgb(153, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 241,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9029, 0.2550, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 241, 255) }
```

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

```
.background{ background-color: rgb(153,  
241, 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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