

# Converting Colors

$Yxy(80.5547, 0.2332, 0.2594)$

Have a look what the booklet for  
Yxy(80.5547, 0.2332, 0.2594)  
contains.

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# Color

**Yxy(76.4102, 0.2552, 0.3119)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AF0FF
RGB	154, 240, 255
RGB Percent	60%, 94%, 100%
CMY	0.3965, 0.0587, 0.0000
CMYK	0.40, 0.06, 0.00, 0.00
HSL	189°, 100%, 80%
HSV	189°, 40%, 100%
XYZ	62.5197, 76.4102, 106.0531
YIQ	215.9960, -56.0710, -13.5670

# Conversions

## Conversions Part 2

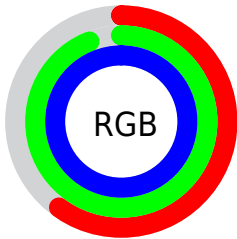
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 200, 255
Decimal	10154239
CIELab	90.05, -22.27, -15.41
CIELCh	90, 27.081, 214.679
Yxy	76.4102, 0.2552, 0.3119
Android (android.graphics.Color)	4288344319 (0xFF9AF0FF)
YUV	215.9960, 19.2290, -54.3705
Hunter-Lab	87.4129, -25.3055, -10.7441

# Details

The Yxy color **76.4102, 0.2552, 0.3119** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.9127, 0.4069, 0.3450**, and the grayscale version is **68.5477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **40.8996, 0.2430, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **71.9733, 0.2434, 0.3069**, and if you desaturate by 10%, it is **81.4305, 0.2684, 0.3167**.

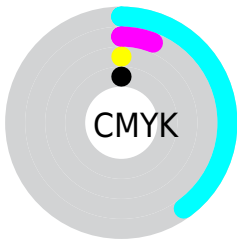
# Distribution



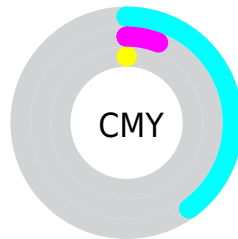
- Red (60%)
- Green (94%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4102, 0.2552, 0.3119 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 76.4102, 0.2552, 0.3119 by changing the saturation by 10% instead.





 76.4102, 0.2552,  
0.3119


 76.4102, 0.2552,  
0.3119


482.7507, 0.2810,  
0.3203

 56.7689, 0.2495,  
0.3099


 128.3066, 0.2640,  
0.3149

 40.8198, 0.2426,  
0.3073


 161.3305, 0.2675,  
0.3161

 28.1783, 0.2340,  
0.3040


199.5841, 0.2705,  
0.3170

 18.4601, 0.2230,  
0.2996

243.4517, 0.2731,  
0.3179

 11.2808, 0.2086,  
0.2934

293.3178, 0.2754,  
0.3186

 6.2560, 0.1890,  
0.2842

349.5667, 0.2775,

 3.0014, 0.1609,

0.3192

0.2693

412.5829, 0.2793,  
0.3198

■ 1.1325, 0.1109,  
0.2444

■ 0.0055, 0.0000,  
0.0050

■ 76.4102, 0.2552,  
0.3119

■ 76.4102, 0.2552,  
0.3119

■ 71.9733, 0.2434,  
0.3069

■ 81.4305, 0.2684,  
0.3167

■ 68.0767, 0.2332,  
0.3017

■ 87.0567, 0.2827,  
0.3212

■ 64.6852, 0.2249,  
0.2964

■ 93.3204, 0.2978,  
0.3253

■ 61.7552, 0.2185,  
0.2910

99.9995, 0.3127,  
0.3290

■ 59.2349, 0.2141,  
0.2857

■ 57.0427, 0.2113,  
0.2805

■ 56.9682, 0.2112,  
0.2803

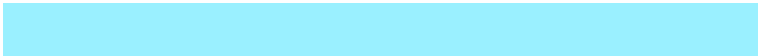
# Harmonies

## Analogous

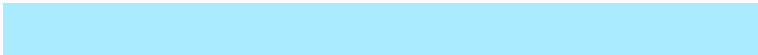
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4102, 0.2711, 0.3424



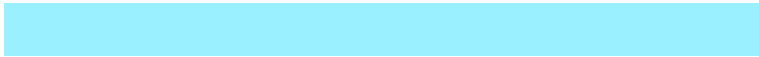
76.4102, 0.2552, 0.3119



76.4102, 0.2538, 0.2884

# Triad

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



76.4102, 0.2552, 0.3119



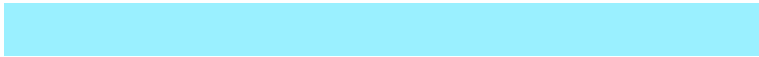
76.4102, 0.3249, 0.2923



76.4102, 0.3588, 0.3830

# Complementary

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



76.4102, 0.2552, 0.3119



51.9127, 0.4069, 0.3450

# 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.



76.4102, 0.3750, 0.3660



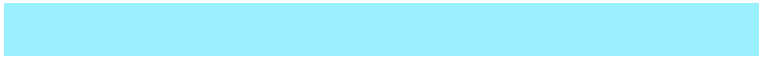
76.4102, 0.2552, 0.3119



76.4102, 0.3552, 0.3146

# Square

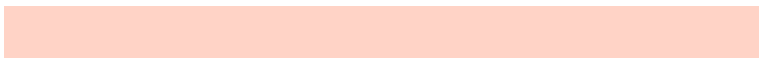
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



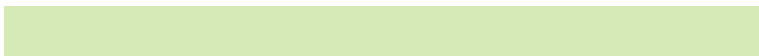
76.4102, 0.2552, 0.3119



76.4102, 0.2927, 0.2788



76.4102, 0.3738, 0.3410

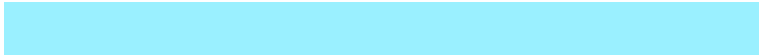


76.4102, 0.3305, 0.3854

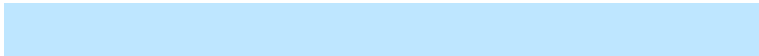


# Rectangle

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



76.4102, 0.2552, 0.3119



76.4102, 0.2611, 0.2793



76.4102, 0.3738, 0.3410



76.4102, 0.3659, 0.3787

# Sweetspot

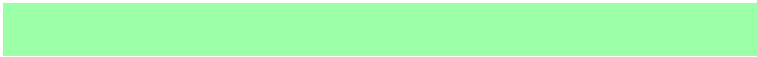
The Sweet Spot groups the original color and five complimentary colors.



76.4132, 0.2552, 0.3119



91.7946, 0.2942, 0.3244



81.1784, 0.3003, 0.4348



19.4691, 0.2922, 0.3239



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.



76.4132, 0.2552, 0.3119



72.6716, 0.2452, 0.3077



51.3246, 0.2460, 0.2526



19.9960, 0.2980, 0.3254



29.9435, 0.2115, 0.2812



3.0347, 0.2131, 0.2872



# Inverse Universe

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



50.6273, 0.3298, 0.2437



44.0330, 0.3343, 0.2270



73.6907, 0.3861, 0.3946



18.2514, 0.3161, 0.3090



13.7508, 0.3624, 0.1770

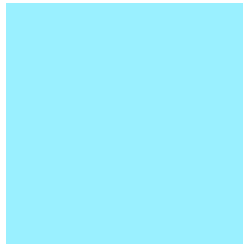


1.3509, 0.3569, 0.1740



# Previews

## White Background



This preview shows how the Yxy color 76.4102, 0.2552, 0.3119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

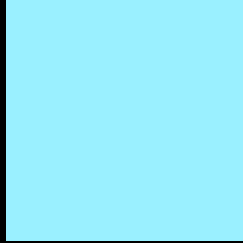
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4102, 0.2552, 0.3119 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 76.4102, 0.2552, 0.3119**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4102, 0.2552, 0.3119.

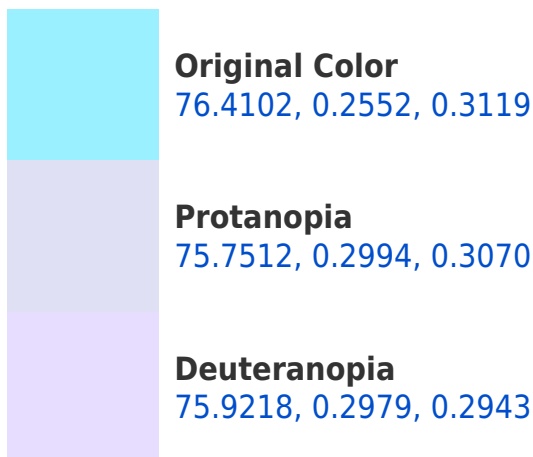


This preview shows how white text looks on a background with the Yxy color 76.4102, 0.2552, 0.3119.

# 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

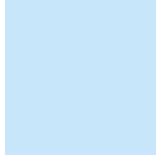
76.3684, 0.2602, 0.3098

# Trichromacy



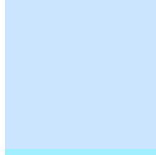
## Original Color

76.4102, 0.2552, 0.3119



## Protanomaly

75.5753, 0.2813, 0.3083



## Deuteranomaly

75.4033, 0.2803, 0.3001



## Tritanomaly

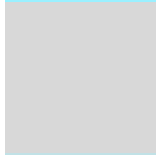
76.5301, 0.2584, 0.3109

# Monochromacy



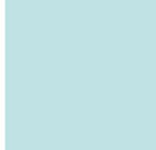
## Original Color

76.4102, 0.2552, 0.3119



## 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 76.4102, 0.2552, 0.3119 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(154, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 240, 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(154, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4102, 0.2552, 0.3119 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(154, 240, 255) }
```

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

```
.border{ border-color:rgb(154, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 240, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 240, 255); box-shadow:4px 4px 4px 4px rgb(154, 240, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4102, 0.2552, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 240, 255) }
```

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

```
.background{ background-color: rgb(154,  
240, 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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