

# Converting Colors

$Yxy(78.1632, 0.2553, 0.3154)$

Have a look what the booklet for  
Yxy(78.1632, 0.2553, 0.3154)  
contains.

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# Color

**Yxy(78.0935, 0.2553, 0.3153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99F3FF
RGB	153, 243, 255
RGB Percent	60%, 95%, 100%
CMY	0.4001, 0.0470, 0.0000
CMYK	0.40, 0.05, 0.00, 0.00
HSL	187°, 100%, 80%
HSV	187°, 40%, 100%
XYZ	63.2327, 78.0935, 106.3538
YIQ	217.4580, -57.4920, -15.3480

# Conversions

## Conversions Part 2

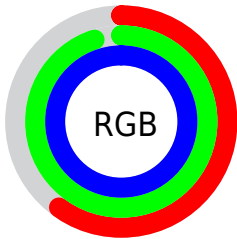
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 201, 255
Decimal	10089471
CIELab	90.82, -23.96, -14.26
CIELCh	91, 27.880, 210.769
Yxy	78.0935, 0.2553, 0.3153
Android (android.graphics.Color)	4288279551 (0xFF99F3FF)
YUV	217.4580, 18.5082, -56.5297
Hunter-Lab	88.3705, -26.9244, -9.4961

# Details

The Yxy color **78.0935, 0.2553, 0.3153** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.4527, 0.4096, 0.3419**, and the grayscale version is **69.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **42.0508, 0.2429, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **74.0959, 0.2439, 0.3114**, and if you desaturate by 10%, it is **82.6555, 0.2682, 0.3191**.

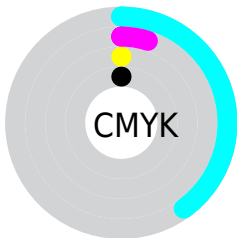
# Distribution



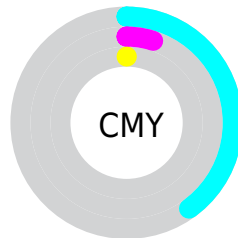
- Red (60%)
- Green (95%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- 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 78.0935, 0.2553, 0.3153 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 78.0935, 0.2553, 0.3153 by changing the saturation by 10% instead.





 78.0935, 0.2553,  
0.3153


 78.0935, 0.2553,  
0.3153


488.4843, 0.2810,  
0.3221

 58.1508, 0.2497,  
0.3136


 130.6819, 0.2640,  
0.3178

 41.9299, 0.2428,  
0.3115


 164.0964, 0.2675,  
0.3187

 29.0464, 0.2343,  
0.3088


202.7703, 0.2705,  
0.3195

 19.1159, 0.2235,  
0.3051

247.0880, 0.2731,  
0.3202

 11.7541, 0.2093,  
0.2999

297.4338, 0.2754,  
0.3208

 6.5764, 0.1900,  
0.2920

354.1922, 0.2775,

 3.1987, 0.1624,

0.3213

0.2792

417.7476, 0.2793,  
0.3217

■ 1.2363, 0.1153,  
0.2573

■ 0.0911, 0.0000,  
0.0763

■ 78.0935, 0.2553,  
0.3153

■ 78.0935, 0.2553,  
0.3153

■ 74.0959, 0.2439,  
0.3114

■ 82.6555, 0.2682,  
0.3191

■ 70.6210, 0.2341,  
0.3073

■ 87.8056, 0.2823,  
0.3227

■ 67.6330, 0.2263,  
0.3031

■ 93.5750, 0.2972,  
0.3260

■ 65.0882, 0.2204,  
0.2989

99.9907, 0.3127,  
0.3290

■ 62.9347, 0.2165,  
0.2948

100.0000, 0.3127,  
0.3290

■ 61.0895, 0.2141,  
0.2908

# Harmonies

## Analogous

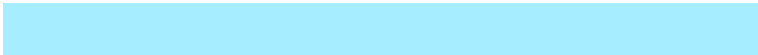
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0935, 0.2733, 0.3468



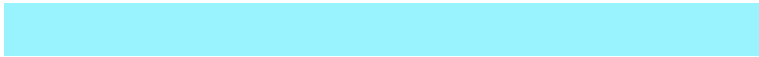
78.0935, 0.2553, 0.3153



78.0935, 0.2519, 0.2900

# Triad

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



78.0935, 0.2553, 0.3153



78.0935, 0.3208, 0.2892



78.0935, 0.3628, 0.3826

# Complementary

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



78.0935, 0.2553, 0.3153



50.4527, 0.4096, 0.3419

# 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.



78.0935, 0.3773, 0.3638



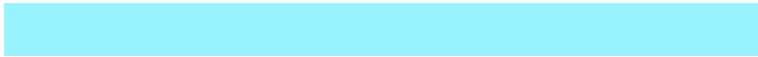
78.0935, 0.2553, 0.3153



78.0935, 0.3525, 0.3109

# Square

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



78.0935, 0.2553, 0.3153



78.0935, 0.2883, 0.2768



78.0935, 0.3737, 0.3377



78.0935, 0.3350, 0.3873

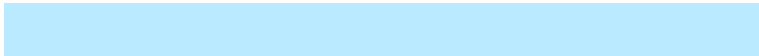


# Rectangle

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



78.0935, 0.2553, 0.3153



78.0935, 0.2581, 0.2796



78.0935, 0.3737, 0.3377



78.0935, 0.3694, 0.3776

# Sweetspot

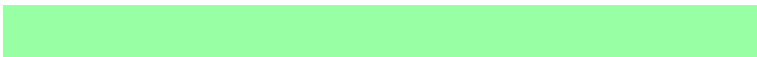
The Sweet Spot groups the original color and five complimentary colors.



78.0960, 0.2553, 0.3153



92.3785, 0.2942, 0.3253



81.0007, 0.3011, 0.4381



19.6073, 0.2922, 0.3249



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.



78.0960, 0.2553, 0.3153



74.8581, 0.2460, 0.3122



51.7225, 0.2457, 0.2539



20.0954, 0.2980, 0.3261



32.0655, 0.2143, 0.2914



3.2208, 0.2156, 0.2961



# Inverse Universe

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



50.5026, 0.3273, 0.2402



44.2537, 0.3308, 0.2239



72.6123, 0.3876, 0.3936



18.2614, 0.3156, 0.3083



13.9650, 0.3530, 0.1718

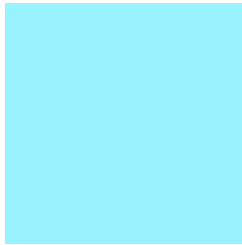


1.3697, 0.3489, 0.1695



# Previews

## White Background



This preview shows how the Yxy color 78.0935, 0.2553, 0.3153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

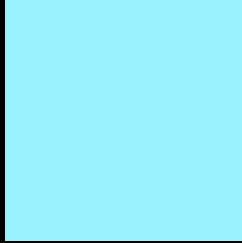
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0935, 0.2553, 0.3153 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 78.0935, 0.2553, 0.3153**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0935, 0.2553, 0.3153.

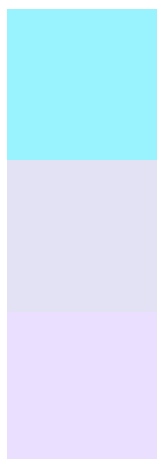


This preview shows how white text looks on a background with the Yxy color 78.0935, 0.2553, 0.3153.

# 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

78.0935, 0.2553, 0.3153

### Protanopia

77.2553, 0.3020, 0.3103

### Deuteranopia

77.4878, 0.2999, 0.2966



## Tritanopia

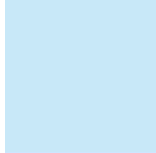
77.8372, 0.2645, 0.3112

# Trichromacy



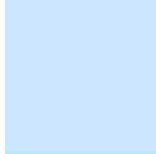
## Original Color

78.0935, 0.2553, 0.3153



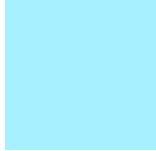
## Protanomaly

76.7699, 0.2826, 0.3116



## Deuteranomaly

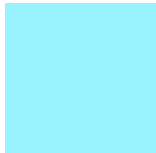
76.7928, 0.2816, 0.3024



## Tritanomaly

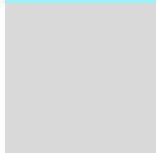
77.6472, 0.2610, 0.3121

# Monochromacy



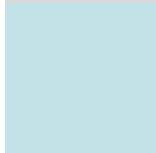
## Original Color

78.0935, 0.2553, 0.3153



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.6316, 0.2883, 0.3233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0935, 0.2553, 0.3153 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 243, 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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0935, 0.2553, 0.3153 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, 243, 255) }
```

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

```
.border{ border-color:rgb(153, 243, 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, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0935, 0.2553, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 243, 255) }
```

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

```
.background{ background-color: rgb(153,  
243, 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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