

# Converting Colors

$Yxy(77.7702, 0.2552, 0.3147)$

Have a look what the booklet for  
Yxy(77.7702, 0.2552, 0.3147)  
contains.

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# Color

**Yxy(77.4966, 0.2551, 0.3142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99F2FF
RGB	153, 242, 255
RGB Percent	60%, 95%, 100%
CMY	0.4004, 0.0509, 0.0001
CMYK	0.40, 0.05, 0.00, 0.00
HSL	188°, 100%, 80%
HSV	188°, 40%, 100%
XYZ	62.9197, 77.4966, 106.2310
YIQ	216.8710, -57.2170, -14.8250

# Conversions

## Conversions Part 2

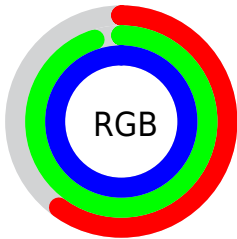
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 201, 255
Decimal	10089215
CIELab	90.55, -23.50, -14.66
CIELCh	91, 27.696, 211.951
Yxy	77.4966, 0.2551, 0.3142
Android (android.graphics.Color)	4288279295 (0xFF99F2FF)
YUV	216.8710, 18.7976, -56.0149
Hunter-Lab	88.0322, -26.4759, -9.9245

# Details

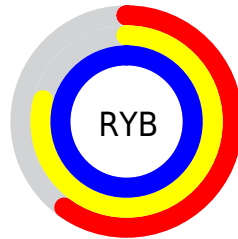
The Yxy color **77.4966, 0.2551, 0.3142** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.7669, 0.4092, 0.3429**, and the grayscale version is **69.1777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **41.6279, 0.2426, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **73.3711, 0.2436, 0.3099**, and if you desaturate by 10%, it is **82.1921, 0.2681, 0.3183**.

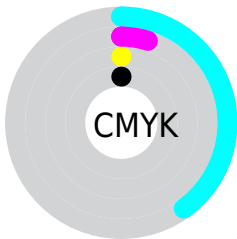
# Distribution



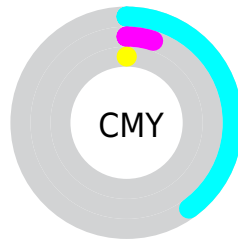
- Red (60%)
- Green (95%)
- Blue (100%)



- 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 77.4966, 0.2551, 0.3142 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 77.4966, 0.2551, 0.3142 by changing the saturation by 10% instead.





 77.4966, 0.2551,  
0.3142


 77.4966, 0.2551,  
0.3142


486.4555, 0.2809,  
0.3216

 57.6605, 0.2494,  
0.3124

 129.8402, 0.2639,  
0.3168

 41.5358, 0.2425,  
0.3102


 163.1166, 0.2673,  
0.3178

 28.7380, 0.2340,  
0.3072


201.6419, 0.2703,  
0.3187

 18.8827, 0.2231,  
0.3033

245.8005, 0.2730,  
0.3194

 11.5856, 0.2088,  
0.2977

295.9767, 0.2753,  
0.3201

 6.4621, 0.1893,  
0.2894

352.5550, 0.2774,

 3.1281, 0.1615,

0.3206

0.2759

415.9199, 0.2792,  
0.3211

■ 1.1990, 0.1132,  
0.2530

■ 0.0609, 0.0000,  
0.0526

■ 77.4966, 0.2551,  
0.3142

■ 77.4966, 0.2551,  
0.3142

■ 73.3711, 0.2436,  
0.3099

■ 82.1921, 0.2681,  
0.3183

■ 69.7723, 0.2337,  
0.3055

■ 87.4799, 0.2822,  
0.3221

■ 66.6650, 0.2258,  
0.3010

■ 93.3916, 0.2972,  
0.3257

■ 64.0054, 0.2198,  
0.2965

99.9544, 0.3127,  
0.3290

■ 61.7415, 0.2157,  
0.2920

99.9987, 0.3127,  
0.3290

■ 59.7951, 0.2132,  
0.2876

# Harmonies

## Analogous

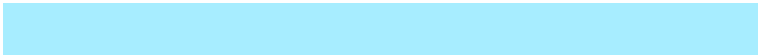
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4966, 0.2725, 0.3455



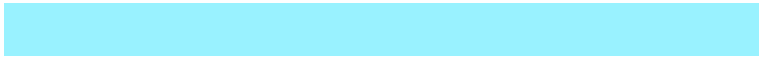
77.4966, 0.2551, 0.3142



77.4966, 0.2523, 0.2894

# Triad

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



77.4966, 0.2551, 0.3142



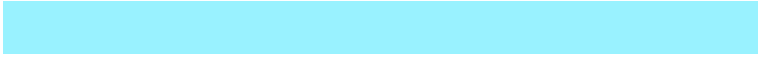
77.4966, 0.3221, 0.2901



77.4966, 0.3617, 0.3829

# Complementary

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



77.4966, 0.2551, 0.3142



50.7669, 0.4092, 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.



77.4966, 0.3768, 0.3645



77.4966, 0.2551, 0.3142



77.4966, 0.3535, 0.3120

# Square

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



77.4966, 0.2551, 0.3142



77.4966, 0.2896, 0.2773



77.4966, 0.3739, 0.3387



77.4966, 0.3337, 0.3869

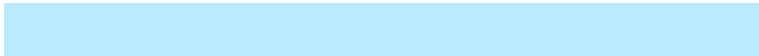


# Rectangle

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



77.4966, 0.2551, 0.3142



77.4966, 0.2589, 0.2794



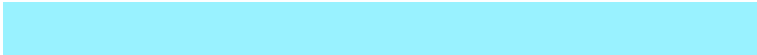
77.4966, 0.3739, 0.3387



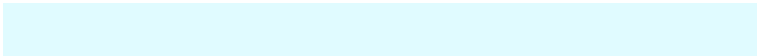
77.4966, 0.3685, 0.3781

# Sweetspot

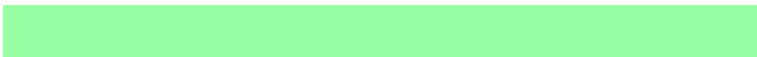
The Sweet Spot groups the original color and five complimentary colors.



77.4996, 0.2551, 0.3142



92.1990, 0.2942, 0.3250



80.9774, 0.3011, 0.4381



19.5648, 0.2922, 0.3246



0.0000, 0.0000, 0.0000

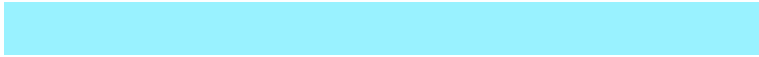


21.4041, 0.3127, 0.3290



# Same Dimension

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



77.4996, 0.2551, 0.3142



74.1825, 0.2458, 0.3108



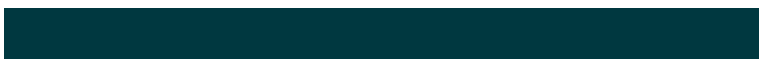
51.6892, 0.2456, 0.2538



20.0649, 0.2980, 0.3259



31.4042, 0.2134, 0.2883



3.1630, 0.2148, 0.2934



# Inverse Universe

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



50.4140, 0.3281, 0.2410



44.1855, 0.3319, 0.2248



72.5841, 0.3877, 0.3936



18.2584, 0.3158, 0.3085



13.8982, 0.3559, 0.1734

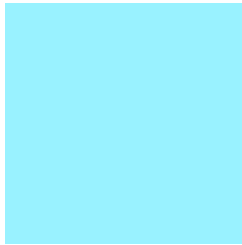


1.3638, 0.3513, 0.1709



# Previews

## White Background



This preview shows how the Yxy color 77.4966, 0.2551, 0.3142 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

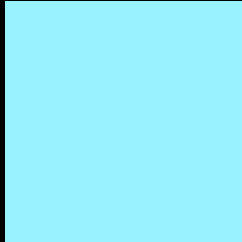
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4966, 0.2551, 0.3142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

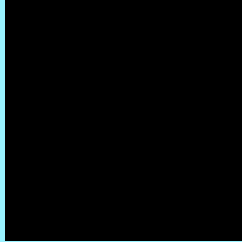
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.4966, 0.2551, 0.3142**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4966, 0.2551, 0.3142.

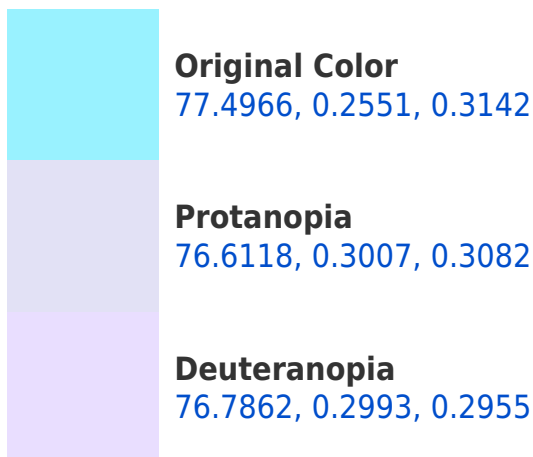


This preview shows how white text looks on a background with the Yxy color 77.4966, 0.2551, 0.3142.

# 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

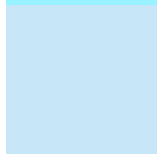
77.4991, 0.2629, 0.3111

# Trichromacy



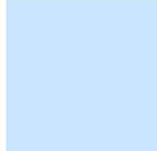
## Original Color

77.4966, 0.2551, 0.3142



## Protanomaly

76.1335, 0.2814, 0.3094



## Deuteranomaly

76.0960, 0.2809, 0.3012



## Tritanomaly

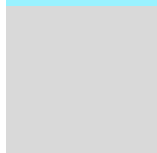
77.4327, 0.2601, 0.3121

# Monochromacy



## Original Color

77.4966, 0.2551, 0.3142



## 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 77.4966, 0.2551, 0.3142 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4966, 0.2551, 0.3142 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, 242, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4966, 0.2551, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 242, 255) }
```

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

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