

# Converting Colors

$Yxy(77.3495, 0.2598, 0.3220)$

Have a look what the booklet for  
Yxy(77.3495, 0.2598, 0.3220)  
contains.

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# Color

**Yxy(77.3495, 0.2598, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CF2F8
RGB	156, 242, 248
RGB Percent	61%, 95%, 97%
CMY	0.3882, 0.0510, 0.0274
CMYK	0.37, 0.02, 0.00, 0.03
HSL	184°, 87%, 79%
HSV	184°, 37%, 97%
XYZ	62.4081, 77.3495, 100.4583
YIQ	216.9700, -53.1820, -16.3660

# Conversions

## Conversions Part 2

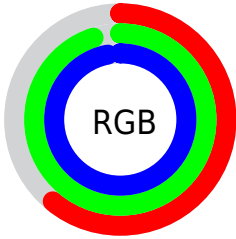
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">156, 200, 248</a>
Decimal	<a href="#">10285816</a>
CIELab	<a href="#">90.48, -24.39, -11.11</a>
CIELCh	<a href="#">90, 26.806, 204.491</a>
Yxy	<a href="#">77.3495, 0.2598, 0.3220</a>
Android (android.graphics.Color)	<a href="#">4288475896 (0xFF9CF2F8)</a>
YUV	<a href="#">216.9700, 15.2978, -53.4707</a>
Hunter-Lab	<a href="#">87.9486, -27.2468, -6.1593</a>

# Details

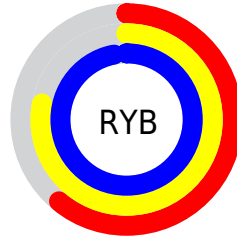
The Yxy color **77.3495, 0.2598, 0.3220** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.2081, 0.4015, 0.3358**, and the grayscale version is **69.2903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **41.5762, 0.2479, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **74.1650, 0.2485, 0.3199**, and if you desaturate by 10%, it is **81.0537, 0.2726, 0.3241**.

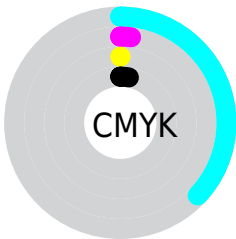
# Distribution



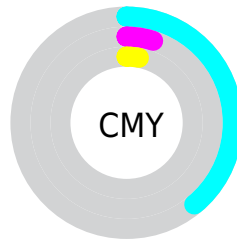
- Red (61%)
- Green (95%)
- Blue (97%)



- Red (61%)
- Yellow (78%)
- Blue (97%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (39%)
- Magenta (5%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3495, 0.2598, 0.3220 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 77.3495, 0.2598, 0.3220 by changing the saturation by 10% instead.




 77.3495, 0.2598,  
0.3220


 77.3495, 0.2598,  
0.3220


485.9548, 0.2836,  
0.3257

 57.5398, 0.2545,  
0.3211


 129.6327, 0.2679,  
0.3234

 41.4388, 0.2481,  
0.3198


 162.8750, 0.2711,  
0.3239

 28.6621, 0.2401,  
0.3182


201.3636, 0.2739,  
0.3243

 18.8253, 0.2300,  
0.3160

245.4828, 0.2763,  
0.3247

 11.5441, 0.2165,  
0.3127

295.6172, 0.2784,  
0.3250

 6.4341, 0.1980,  
0.3076


352.1511, 0.2804,


 3.1108, 0.1713,

0.3253


0.2988


415.4688, 0.2821,  
0.3255

 1.1898, 0.1212,  
0.2841


 0.0534, 0.0000,  
0.0601


 77.3495, 0.2598,  
0.3220


 77.3495, 0.2598,  
0.3220


 74.1650, 0.2485,  
0.3199

 81.0537, 0.2726,  
0.3241

 71.4602, 0.2388,  
0.3176

 85.2969, 0.2867,  
0.3260

 69.2037, 0.2311,  
0.3154

 90.1084, 0.3017,  
0.3278

 67.3565, 0.2254,  
0.3131

 95.4718, 0.3171,  
0.3295

■ 65.8729, 0.2215,  
0.3109

■ 96.4754, 0.3170,  
0.3310

■ 64.6941, 0.2194,  
0.3087

■ 97.4876, 0.3170,  
0.3326

■ 64.3827, 0.2189,  
0.3081

■ 98.5085, 0.3169,  
0.3341

■ 99.5381, 0.3168,  
0.3356

■ 99.5582, 0.3168,  
0.3357

# Harmonies

## Analogous

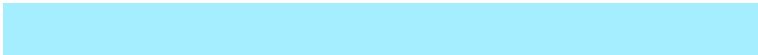
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3495, 0.2798, 0.3524



77.3495, 0.2598, 0.3220



77.3495, 0.2534, 0.2957

# Triad

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



77.3495, 0.2598, 0.3220



77.3495, 0.3137, 0.2871



77.3495, 0.3652, 0.3779

# Complementary

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



77.3495, 0.2598, 0.3220



48.2081, 0.4015, 0.3358

# 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.



77.3495, 0.3758, 0.3577



77.3495, 0.2598, 0.3220



77.3495, 0.3453, 0.3066

# Square

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



77.3495, 0.2598, 0.3220



77.3495, 0.2833, 0.2774



77.3495, 0.3685, 0.3319



77.3495, 0.3406, 0.3857

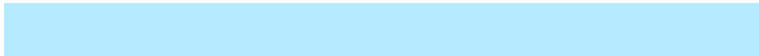


# Rectangle

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



77.3495, 0.2598, 0.3220



77.3495, 0.2574, 0.2839



77.3495, 0.3685, 0.3319



77.3495, 0.3706, 0.3722

# Sweetspot

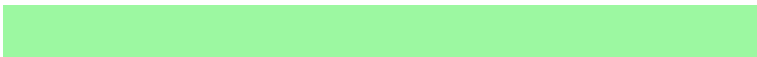
The Sweet Spot groups the original color and five complimentary colors.



77.3525, 0.2598, 0.3220



93.8988, 0.2957, 0.3271



76.7721, 0.3050, 0.4363



19.9486, 0.2937, 0.3269



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

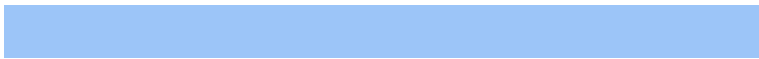
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3525, 0.2598, 0.3220



79.6456, 0.2506, 0.3203



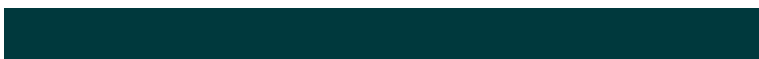
53.9668, 0.2520, 0.2682



19.4028, 0.2980, 0.3274



34.8564, 0.2190, 0.3085



3.2852, 0.2197, 0.3111



# Inverse Universe

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



50.1501, 0.3220, 0.2423



46.8357, 0.3242, 0.2249



66.7977, 0.3835, 0.3827



17.5038, 0.3148, 0.3071



13.9297, 0.3380, 0.1636

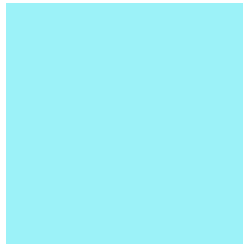


1.2959, 0.3358, 0.1623



# Previews

## White Background



This preview shows how the Yxy color 77.3495, 0.2598, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

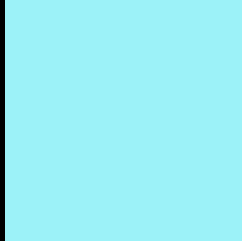
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3495, 0.2598, 0.3220 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 77.3495, 0.2598, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.3495, 0.2598, 0.3220.

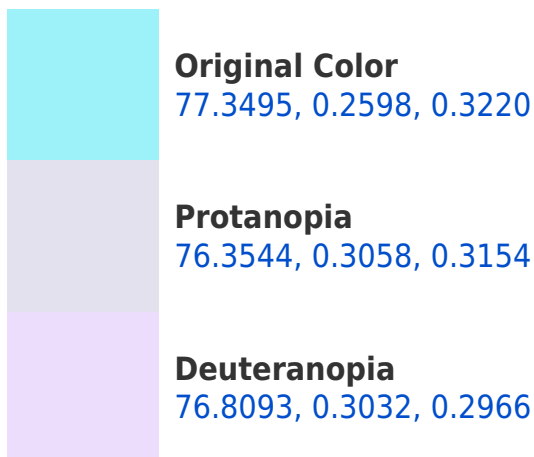


This preview shows how white text looks on a background with the Yxy color 77.3495, 0.2598, 0.3220.

# 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

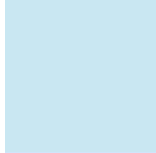
77.0270, 0.2633, 0.3100

# Trichromacy



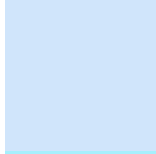
## Original Color

77.3495, 0.2598, 0.3220



## Protanomaly

75.9801, 0.2865, 0.3170



## Deuteranomaly

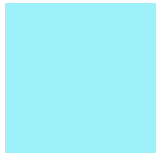
76.4136, 0.2857, 0.3055



## Tritanomaly

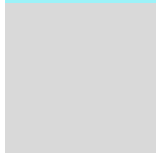
76.8683, 0.2623, 0.3143

# Monochromacy



## Original Color

77.3495, 0.2598, 0.3220



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.5963, 0.2907, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3495, 0.2598, 0.3220 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(156, 242, 248)` looks like.

```
.text, #text, p{  
    color:rgb(156, 242, 248)  
}
```

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(156, 242, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 242, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3495, 0.2598, 0.3220 is called "border". The border property can be set on classes, ids or directly on the HTML element.

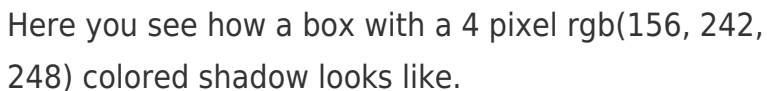
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 242, 248) }
```

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

```
.border{ border-color:rgb(156, 242, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 242, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 242, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 242, 248); box-shadow:4px 4px 4px 4px rgb(156, 242, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.3495, 0.2598, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 242, 248) }
```

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

```
.background{ background-color: rgb(156,  
242, 248) }
```

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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