

# Converting Colors

$Yxy(77.7684, 0.2655, 0.3177)$

Have a look what the booklet for  
Yxy(77.7684, 0.2655, 0.3177)  
contains.

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# Color

**Yxy(77.7684, 0.2655, 0.3177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAF0FA
RGB	170, 240, 250
RGB Percent	67%, 94%, 98%
CMY	0.3334, 0.0588, 0.0196
CMYK	0.32, 0.04, 0.00, 0.02
HSL	187°, 89%, 82%
HSV	187°, 32%, 98%
XYZ	64.9906, 77.7684, 102.0267
YIQ	220.2100, -44.9300, -11.7300

# Conversions

## Conversions Part 2

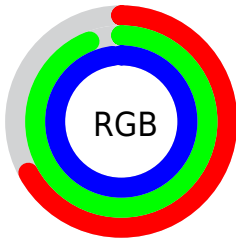
Format	Color
R <sub>YB</sub>	170, 207, 250
Decimal	11202810
CIE Lab	90.67, -19.31, -11.79
CIE LCh	91, 22.623, 211.410
Yxy	77.7684, 0.2655, 0.3177
Android (android.graphics.Color)	4289392890 (0xFFAAF0FA)
YUV	220.2100, 14.6865, -44.0342
Hunter-Lab	88.1864, -22.7773, -6.8647

# Details

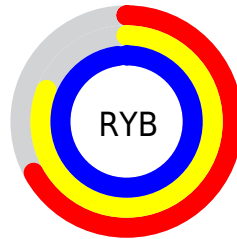
The Yxy color **77.7684, 0.2655, 0.3177** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.8614, 0.3833, 0.3399**, and the grayscale version is **71.6437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **41.8209, 0.2551, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **73.4227, 0.2528, 0.3136**, and if you desaturate by 10%, it is **82.6817, 0.2794, 0.3215**.

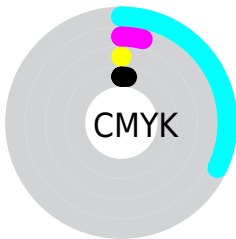
# Distribution



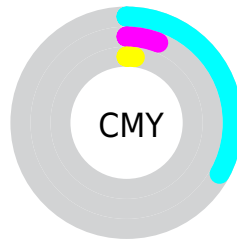
- Red (67%)
- Green (94%)
- Blue (98%)



- Red (67%)
- Yellow (81%)
- Blue (98%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (33%)
- Magenta (6%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7684, 0.2655, 0.3177 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 77.7684, 0.2655, 0.3177 by changing the saturation by 10% instead.



77.7684, 0.2655,  
0.3177

77.7684, 0.2655,  
0.3177

487.3799, 0.2867,  
0.3233

57.8837, 0.2608,  
0.3164

130.2236, 0.2727,  
0.3197

41.7152, 0.2551,  
0.3147

163.5629, 0.2756,  
0.3204

28.8783, 0.2479,  
0.3125

202.1559, 0.2781,  
0.3211

18.9888, 0.2388,  
0.3095

246.3870, 0.2802,  
0.3217

11.6622, 0.2267,  
0.3054

296.6405, 0.2822,  
0.3221

6.5141, 0.2101,  
0.2991

353.3009, 0.2838,

3.1601, 0.1858,

0.3226

0.2889

416.7526, 0.2854,  
0.3229

1.2159, 0.1451,  
0.2706

0.0746, 0.0000,  
0.0761

77.7684, 0.2655,  
0.3177

77.7684, 0.2655,  
0.3177

73.4227, 0.2528,  
0.3136

82.6817, 0.2794,  
0.3215

69.6050, 0.2416,  
0.3094

88.1811, 0.2942,  
0.3251

66.2851, 0.2321,  
0.3050

94.2958, 0.3096,  
0.3284

63.4257, 0.2246,  
0.3006

98.0953, 0.3157,  
0.3314

■ 60.9839, 0.2190,  
0.2962

■ 99.6821, 0.3156,  
0.3338

■ 58.9080, 0.2153,  
0.2918

■ 57.4486, 0.2134,  
0.2883

# Harmonies

## Analogous

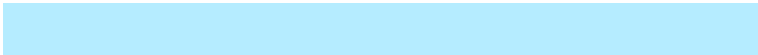
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7684, 0.2802, 0.3430



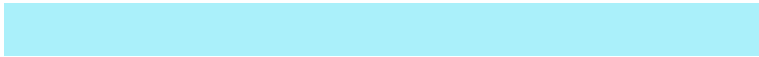
77.7684, 0.2655, 0.3177



77.7684, 0.2629, 0.2971

# Triad

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



77.7684, 0.2655, 0.3177



77.7684, 0.3200, 0.2966



77.7684, 0.3532, 0.3729

# Complementary

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



77.7684, 0.2655, 0.3177



55.8614, 0.3833, 0.3399

# 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.



77.7684, 0.3650, 0.3582



77.7684, 0.2655, 0.3177



77.7684, 0.3456, 0.3148

# Square

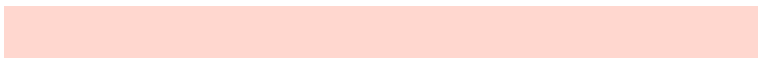
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7684, 0.2655, 0.3177



77.7684, 0.2935, 0.2862



77.7684, 0.3623, 0.3369

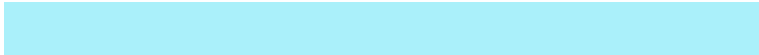


77.7684, 0.3305, 0.3760

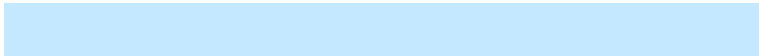


# Rectangle

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



77.7684, 0.2655, 0.3177



77.7684, 0.2682, 0.2885



77.7684, 0.3623, 0.3369



77.7684, 0.3586, 0.3691

# Sweetspot

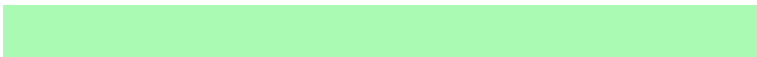
The Sweet Spot groups the original color and five complimentary colors.



77.7715, 0.2655, 0.3177



93.4652, 0.2972, 0.3258



80.1840, 0.3033, 0.4127



19.8201, 0.2951, 0.3253



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.



77.7715, 0.2655, 0.3177



78.5393, 0.2577, 0.3153



57.0622, 0.2598, 0.2714



19.2168, 0.2980, 0.3260



30.6192, 0.2136, 0.2890



2.9363, 0.2151, 0.2942



# Inverse Universe

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



55.3613, 0.3244, 0.2583



52.2127, 0.3270, 0.2452



74.0610, 0.3703, 0.3804



17.4851, 0.3157, 0.3085



13.5019, 0.3552, 0.1730

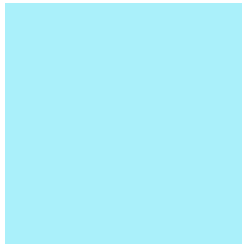


1.2607, 0.3505, 0.1705



# Previews

## White Background



This preview shows how the Yxy color 77.7684, 0.2655, 0.3177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

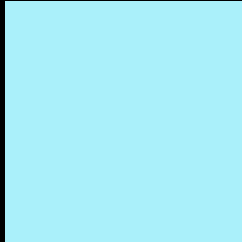
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7684, 0.2655, 0.3177 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 77.7684, 0.2655, 0.3177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7684, 0.2655, 0.3177.

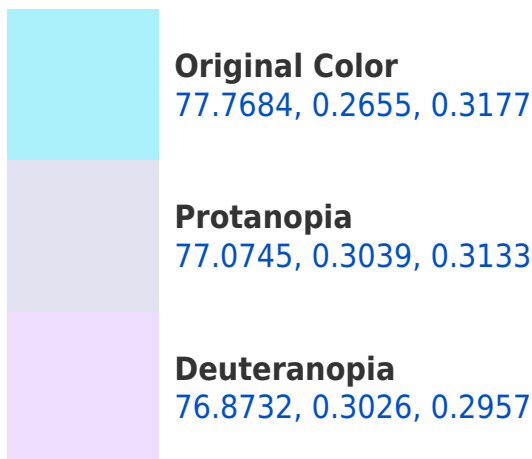


This preview shows how white text looks on a background with the Yxy color 77.7684, 0.2655, 0.3177.

# 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

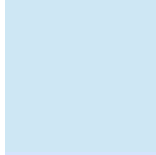
77.9528, 0.2675, 0.3102

# Trichromacy



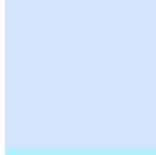
## Original Color

77.7684, 0.2655, 0.3177



## Protanomaly

76.8053, 0.2885, 0.3149



## Deuteranomaly

76.7248, 0.2876, 0.3026



## Tritanomaly

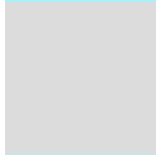
78.0550, 0.2670, 0.3134

# Monochromacy



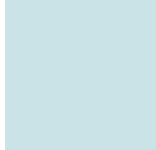
## Original Color

77.7684, 0.2655, 0.3177



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.2642, 0.2934, 0.3245

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7684, 0.2655, 0.3177 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(170, 240, 250)` looks like.

```
.text, #text, p{  
    color:rgb(170, 240, 250)  
}
```

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(170, 240, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 240, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7684, 0.2655, 0.3177 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(170, 240, 250) }
```

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

```
.border{ border-color:rgb(170, 240, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 240, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 240, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 240, 250);  
box-shadow:4px 4px 4px 4px rgb(170, 240,  
250) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  77.7684, 0.2655, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 240, 250) }
```

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

```
.background{ background-color: rgb(170,  
240, 250) }
```

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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