

# Converting Colors

$Yxy(76.9282, 0.2710, 0.3312)$

Have a look what the booklet for  
Yxy(76.9282, 0.2710, 0.3312)  
contains.

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# Color

**Yxy(76.9282, 0.2710, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9F0EE
RGB	169, 240, 238
RGB Percent	66%, 94%, 93%
CMY	0.3374, 0.0588, 0.0668
CMYK	0.30, 0.00, 0.01, 0.06
HSL	178°, 70%, 80%
HSV	178°, 30%, 94%
XYZ	62.9455, 76.9282, 92.3975
YIQ	218.5430, -41.6740, -15.6740

# Conversions

## Conversions Part 2

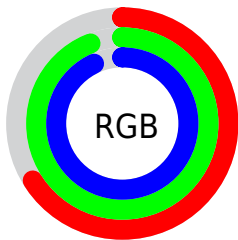
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 205, 240
Decimal	11137262
CIE Lab	90.29, -22.32, -6.09
CIE LCh	90, 23.132, 195.272
Yxy	76.9282, 0.2710, 0.3312
Android (android.graphics.Color)	4289327342 (0xFFA9F0EE)
YUV	218.5430, 9.5923, -43.4492
Hunter-Lab	87.7087, -25.3871, -1.0634

# Details

The Yxy color **76.9282, 0.2710, 0.3312** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.8315, 0.3771, 0.3269**, and the grayscale version is **70.4553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **41.2358, 0.2617, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **74.4761, 0.2593, 0.3321**, and if you desaturate by 10%, it is **79.8738, 0.2841, 0.3304**.

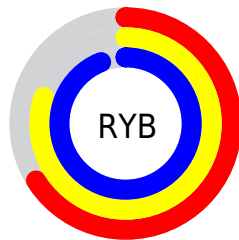
# Distribution



Red (66%)

Green (94%)

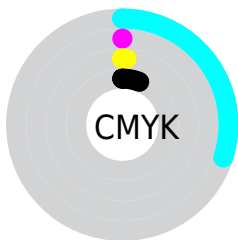
Blue (93%)



Red (66%)

Yellow (80%)

Blue (94%)

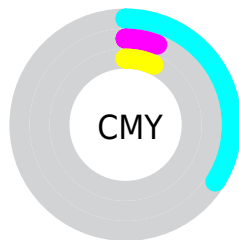


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (6%)



Cyan (34%)

Magenta (6%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9282, 0.2710, 0.3312 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 76.9282, 0.2710, 0.3312 by changing the saturation by 10% instead.





 76.9282, 0.2710,  
0.3312

 76.9282, 0.2710,  
0.3312

484.5192, 0.2899,  
0.3305

 57.1939, 0.2668,  
0.3313


 129.0381, 0.2775,  
0.3310

 41.1610, 0.2616,  
0.3314

162.1826, 0.2800,  
0.3309

 28.4449, 0.2551,  
0.3314


200.5659, 0.2822,  
0.3308

 18.6613, 0.2468,  
0.3314


244.5725, 0.2841,  
0.3307

 11.4258, 0.2357,  
0.3313

294.5867, 0.2858,  
0.3307

 6.3540, 0.2202,  
0.3307


350.9930, 0.2873,


 3.0615, 0.1972,


0.3306


414.1757, 0.2887,  
0.3305


0.3292


 1.1639, 0.1514,  
0.3277


 0.0319, 0.0000,  
0.0648


 76.9282, 0.2710,  
0.3312


 76.9282, 0.2710,  
0.3312


 74.4761, 0.2593,  
0.3321

 79.8738, 0.2841,  
0.3304


 72.4816, 0.2493,  
0.3330


 83.3284, 0.2983,  
0.3297

 70.9184, 0.2411,  
0.3339


 87.3179, 0.3133,  
0.3290

 69.7540, 0.2349,  
0.3348

 89.9235, 0.3222,  
0.3283

 68.9512, 0.2306,  
0.3358


 89.9647, 0.3218,  
0.3277

 68.4657, 0.2281,  
0.3367


 90.0061, 0.3213,  
0.3270

 68.2262, 0.2272,  
0.3376

 90.0477, 0.3209,  
0.3263

 68.2185, 0.2271,  
0.3377

 90.0894, 0.3205,  
0.3256

 90.1313, 0.3200,  
0.3250

# Harmonies

## Analogous

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



76.9282, 0.2916, 0.3565



76.9282, 0.2710, 0.3312



76.9282, 0.2614, 0.3066

# Triad

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



76.9282, 0.2710, 0.3312



76.9282, 0.3052, 0.2888



76.9282, 0.3625, 0.3671

# Complementary

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



76.9282, 0.2710, 0.3312



49.8315, 0.3771, 0.3269

# 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.



76.9282, 0.3669, 0.3476



76.9282, 0.2710, 0.3312



76.9282, 0.3329, 0.3036

# Square

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



76.9282, 0.2710, 0.3312



76.9282, 0.2805, 0.2836



76.9282, 0.3559, 0.3247



76.9282, 0.3445, 0.3773

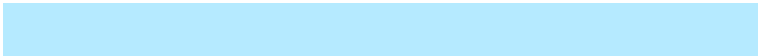


# Rectangle

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



76.9282, 0.2710, 0.3312



76.9282, 0.2623, 0.2942



76.9282, 0.3559, 0.3247



76.9282, 0.3657, 0.3613

# Sweetspot

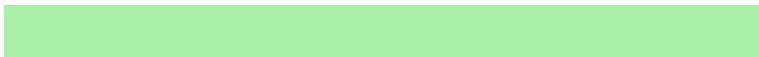
The Sweet Spot groups the original color and five complimentary colors.



76.9313, 0.2710, 0.3312



95.8618, 0.2991, 0.3296



73.8874, 0.3101, 0.4152



20.3854, 0.2970, 0.3297



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.



76.9313, 0.2710, 0.3312



86.3789, 0.2632, 0.3318



59.2804, 0.2656, 0.2896



17.9207, 0.2985, 0.3296



37.3424, 0.2271, 0.3375



3.1090, 0.2268, 0.3363



# Inverse Universe

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



49.8315, 0.3771, 0.3269



50.2727, 0.3977, 0.3265



63.6893, 0.3685, 0.3653



15.7662, 0.3289, 0.3284



10.1526, 0.6370, 0.3283

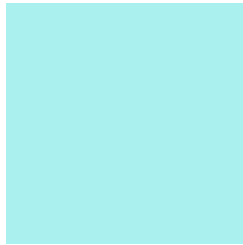


0.8472, 0.6290, 0.3239



# Previews

## White Background



This preview shows how the Yxy color 76.9282, 0.2710, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

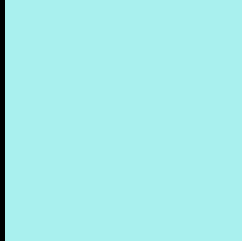
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9282, 0.2710, 0.3312 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 76.9282, 0.2710, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9282, 0.2710, 0.3312.

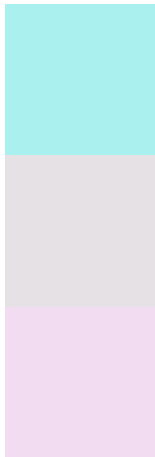


This preview shows how white text looks on a background with the Yxy color 76.9282, 0.2710, 0.3312.

# 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

76.9282, 0.2710, 0.3312

### Protanopia

76.1656, 0.3129, 0.3248

### Deuteranopia

76.2980, 0.3131, 0.3066



## Tritanopia

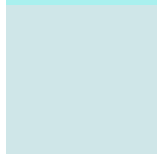
77.0185, 0.2658, 0.3090

# Trichromacy



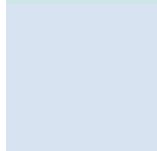
## Original Color

76.9282, 0.2710, 0.3312



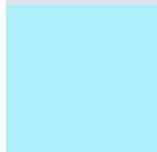
## Protanomaly

75.6852, 0.2962, 0.3268



## Deuteranomaly

75.7361, 0.2959, 0.3140



## Tritanomaly

76.8729, 0.2673, 0.3166

# Monochromacy



## Original Color

76.9282, 0.2710, 0.3312



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.8467, 0.2958, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9282, 0.2710, 0.3312 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(169, 240, 238)` looks like.

```
.text, #text, p{  
    color:rgb(169, 240, 238)  
}
```

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(169, 240, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 240, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9282, 0.2710, 0.3312 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(169, 240, 238) }
```

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

```
.border{ border-color:rgb(169, 240, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 240, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 240, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 240, 238);  
box-shadow:4px 4px 4px 4px rgb(169, 240,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9282, 0.2710, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 240, 238) }
```

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

```
.background{ background-color: rgb(169,  
240, 238) }
```

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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