

# Converting Colors

$Yxy(73.3189, 0.2629, 0.3479)$

Have a look what the booklet for  
Yxy(73.3189, 0.2629, 0.3479)  
contains.

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# Color

**Yxy(73.1910, 0.2629, 0.3482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BF0E0
RGB	139, 240, 224
RGB Percent	55%, 94%, 88%
CMY	0.4550, 0.0588, 0.1215
CMYK	0.42, 0.00, 0.07, 0.06
HSL	171°, 77%, 74%
HSV	171°, 42%, 94%
XYZ	55.2611, 73.1910, 81.7461
YIQ	207.9770, -55.0600, -26.3880

# Conversions

## Conversions Part 2

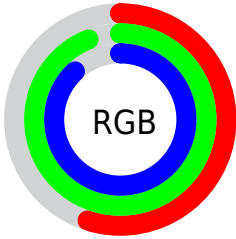
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	139, 194, 240
Decimal	9171168
CIE Lab	88.54, -33.28, -1.54
CIE LCh	89, 33.319, 182.641
Yxy	73.1910, 0.2629, 0.3482
Android (android.graphics.Color)	4287361248 (0xFF8BF0E0)
YUV	207.9770, 7.8993, -60.4928
Hunter-Lab	85.5517, -34.4157, 3.2337

# Details

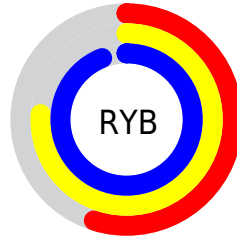
The Yxy color **73.1910, 0.2629, 0.3482** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.3522, 0.4043, 0.3115**, and the grayscale version is **63.0349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **38.8949, 0.2514, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **71.1462, 0.2543, 0.3536**, and if you desaturate by 10%, it is **75.6997, 0.2730, 0.3431**.

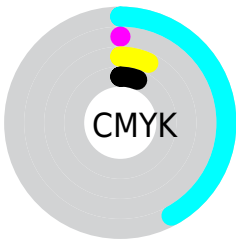
# Distribution



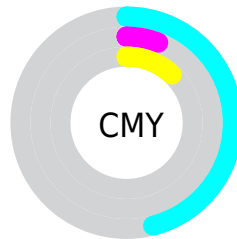
- Red (55%)
- Green (94%)
- Blue (88%)



- Red (55%)
- Yellow (76%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)




- Cyan (46%)
- Magenta (6%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1910, 0.2629, 0.3482 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 73.1910, 0.2629, 0.3482 by changing the saturation by 10% instead.




 73.1910, 0.2629,  
0.3482


 73.1910, 0.2629,  
0.3482


471.6765, 0.2858,  
0.3395

 54.1322, 0.2577,  
0.3501


 123.7483, 0.2708,  
0.3452

 38.7073, 0.2514,  
0.3525


 156.0156, 0.2739,  
0.3440

 26.5321, 0.2434,  
0.3555


193.4545, 0.2765,  
0.3430

 17.2221, 0.2330,  
0.3593

236.4493, 0.2788,  
0.3421

 10.3930, 0.2191,  
0.3644

285.3845, 0.2809,  
0.3414

 5.6603, 0.1994,  
0.3714


340.6446, 0.2827,


 2.6396, 0.1698,


0.3407


402.6138, 0.2843,  
0.3400


0.3817

 0.9466, 0.0394,  
0.4343


 0.0000, 0.0000,  
0.0000


 73.1910, 0.2629,  
0.3482


 73.1910, 0.2629,  
0.3482


 71.1462, 0.2543,  
0.3536


 75.6997, 0.2730,  
0.3431


 69.5265, 0.2475,  
0.3591


 78.6908, 0.2844,  
0.3383

 68.3012, 0.2427,  
0.3648


 82.1924, 0.2968,  
0.3339

 67.4315, 0.2398,  
0.3705


 86.2279, 0.3099,  
0.3298


 66.8708, 0.2388,  
0.3762

 90.0554, 0.3208,  
0.3261

 66.5889, 0.2391,  
0.3806

 90.2873, 0.3184,  
0.3224

 90.5240, 0.3161,  
0.3188

 90.7655, 0.3138,  
0.3152

 90.8037, 0.3134,  
0.3146

# Harmonies

## Analogous

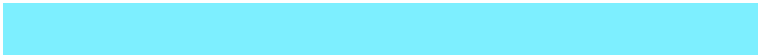
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1910, 0.2971, 0.3832



73.1910, 0.2629, 0.3482



73.1910, 0.2425, 0.3094

# Triad

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



73.1910, 0.2629, 0.3482



73.1910, 0.2851, 0.2667



73.1910, 0.3911, 0.3722

# Complementary

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



73.1910, 0.2629, 0.3482



39.3522, 0.4043, 0.3115

# 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.



73.1910, 0.3883, 0.3409



73.1910, 0.2629, 0.3482



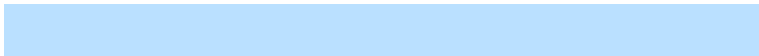
73.1910, 0.3249, 0.2824

# Square

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



73.1910, 0.2629, 0.3482



73.1910, 0.2547, 0.2652



73.1910, 0.3635, 0.3088



73.1910, 0.3717, 0.3951

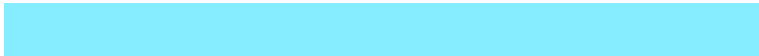


# Rectangle

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



73.1910, 0.2629, 0.3482



73.1910, 0.2386, 0.2881



73.1910, 0.3635, 0.3088



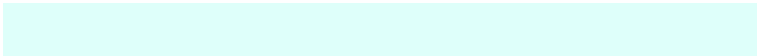
73.1910, 0.3928, 0.3623

# Sweetspot

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



73.1939, 0.2629, 0.3482



93.9126, 0.2956, 0.3343



71.2373, 0.3167, 0.4558



19.9023, 0.2928, 0.3352



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

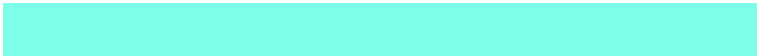


# Same Dimension

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



73.1939, 0.2629, 0.3482



81.8407, 0.2551, 0.3531



56.0816, 0.2484, 0.2871



17.8835, 0.3002, 0.3328



36.4662, 0.2388, 0.3797



3.0451, 0.2367, 0.3723



# Inverse Universe

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



39.3522, 0.4043, 0.3115



37.9754, 0.4360, 0.3082



50.1457, 0.4055, 0.3666



15.7996, 0.3268, 0.3253



10.2300, 0.6175, 0.3175

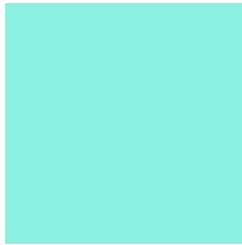


0.8631, 0.5849, 0.2996



# Previews

## White Background



This preview shows how the Yxy color 73.1910, 0.2629, 0.3482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

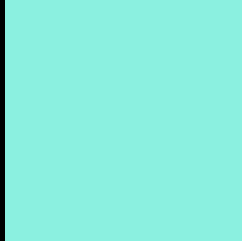
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1910, 0.2629, 0.3482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

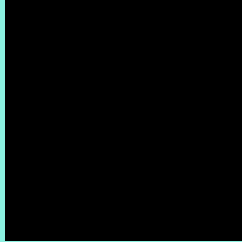
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

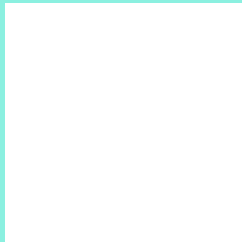
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.1910, 0.2629, 0.3482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1910, 0.2629, 0.3482.

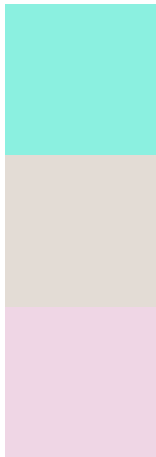


This preview shows how white text looks on a background with the Yxy color 73.1910, 0.2629, 0.3482.

# 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

73.1910, 0.2629, 0.3482

### Protanopia

72.3214, 0.3224, 0.3366

### Deuteranopia

72.1010, 0.3207, 0.3134



## Tritanopia

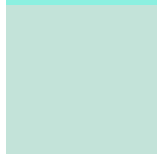
72.7755, 0.2515, 0.3070

# Trichromacy



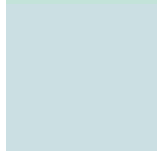
## Original Color

73.1910, 0.2629, 0.3482



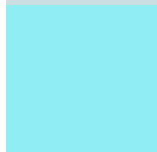
## Protanomaly

71.5500, 0.2973, 0.3404



## Deuteranomaly

71.0179, 0.2965, 0.3245



## Tritanomaly

72.9687, 0.2556, 0.3218

# Monochromacy



## Original Color

73.1910, 0.2629, 0.3482



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

66.1087, 0.2911, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1910, 0.2629, 0.3482 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(139, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(139, 240, 224)  
}
```

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(139, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 240, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1910, 0.2629, 0.3482 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(139, 240, 224) }
```

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

```
.border{ border-color:rgb(139, 240, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 240, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(139, 240,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1910, 0.2629, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 240, 224) }
```

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

```
.background{ background-color: rgb(139,  
240, 224) }
```

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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