

# Converting Colors

$Y_{xy}(73.2086, 0.2523, 0.3196)$

Have a look what the booklet for  
Yxy(73.2086, 0.2523, 0.3196)  
contains.

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# Color

**Yxy(73.2919, 0.2522, 0.3194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BEEF6
RGB	139, 238, 246
RGB Percent	55%, 93%, 96%
CMY	0.4545, 0.0667, 0.0352
CMYK	0.43, 0.03, 0.00, 0.04
HSL	185°, 86%, 76%
HSV	185°, 43%, 96%
XYZ	57.8717, 73.2919, 98.3039
YIQ	209.3110, -61.5720, -18.5000

# Conversions

## Conversions Part 2

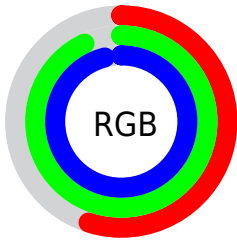
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	139, 190, 246
Decimal	9170678
CIE Lab	88.59, -27.02, -12.98
CIE LCh	89, 29.975, 205.657
Yxy	73.2919, 0.2522, 0.3194
Android (android.graphics.Color)	4287360758 (0xFF8BEEF6)
YUV	209.3110, 18.0877, -61.6627
Hunter-Lab	85.6107, -29.1551, -8.1532

# Details

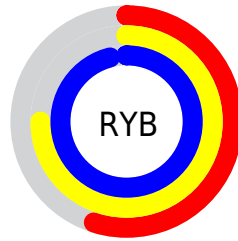
The Yxy color **73.2919, 0.2522, 0.3194** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.3759, 0.4239, 0.3380**, and the grayscale version is **63.9013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **38.8791, 0.2387, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **70.3366, 0.2418, 0.3169**, and if you desaturate by 10%, it is **76.7406, 0.2642, 0.3218**.

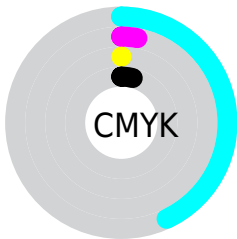
# Distribution



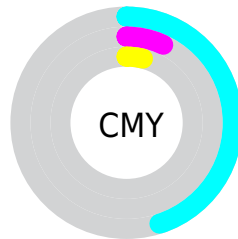
- Red (55%)
- Green (93%)
- Blue (96%)



- Red (55%)
- Yellow (75%)
- Blue (96%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)




- Cyan (45%)
- Magenta (7%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2919, 0.2522, 0.3194 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 73.2919, 0.2522, 0.3194 by changing the saturation by 10% instead.





 73.2919, 0.2522,  
0.3194


 73.2919, 0.2522,  
0.3194


472.0259, 0.2796,  
0.3245

 54.2147, 0.2461,  
0.3181


 123.8915, 0.2616,  
0.3213

 38.7733, 0.2387,  
0.3164


 156.1827, 0.2652,  
0.3220

 26.5834, 0.2294,  
0.3141


193.6473, 0.2684,  
0.3226

 17.2606, 0.2176,  
0.3110

236.6698, 0.2712,  
0.3231

 10.4205, 0.2020,  
0.3064

285.6345, 0.2737,  
0.3235

 5.6786, 0.1805,  
0.2992

340.9258, 0.2759,

 2.6507, 0.1496,

0.3239

0.2867

402.9281, 0.2778,  
0.3242

0.9522, 0.0696,  
0.2716

0.0000, 0.0000,  
0.0000

73.2919, 0.2522,  
0.3194

73.2919, 0.2522,  
0.3194

70.3366, 0.2418,  
0.3169

76.7406, 0.2642,  
0.3218

67.8338, 0.2333,  
0.3143


80.7034, 0.2776,  
0.3242

65.7498, 0.2267,  
0.3117


85.2103, 0.2921,  
0.3263

64.0426, 0.2220,  
0.3091

90.2863, 0.3073,  
0.3283

 62.6610, 0.2192,  
0.3066

 94.5802, 0.3184,  
0.3302

 61.8839, 0.2180,  
0.3049

 95.7184, 0.3183,  
0.3320

 96.8679, 0.3182,  
0.3337

 98.0287, 0.3181,  
0.3355

 99.2007, 0.3179,  
0.3372

# Harmonies

## Analogous

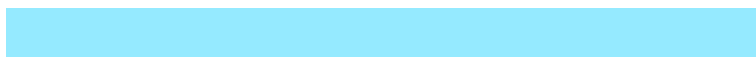
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2919, 0.2742, 0.3544



73.2919, 0.2522, 0.3194



73.2919, 0.2457, 0.2899

# Triad

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



73.2919, 0.2522, 0.3194



73.2919, 0.3151, 0.2824



73.2919, 0.3715, 0.3850

# Complementary

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



73.2919, 0.2522, 0.3194



42.3759, 0.4239, 0.3380

# 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.



73.2919, 0.3845, 0.3622



73.2919, 0.2522, 0.3194



73.2919, 0.3510, 0.3046

# Square

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



73.2919, 0.2522, 0.3194



73.2919, 0.2805, 0.2710



73.2919, 0.3770, 0.3331



73.2919, 0.3428, 0.3937

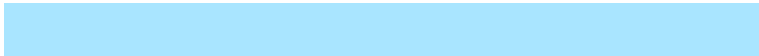


# Rectangle

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



73.2919, 0.2522, 0.3194



73.2919, 0.2506, 0.2771



73.2919, 0.3770, 0.3331



73.2919, 0.3779, 0.3786

# Sweetspot

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



73.2947, 0.2522, 0.3194



92.6662, 0.2927, 0.3264



73.5069, 0.3029, 0.4559



19.5905, 0.2894, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

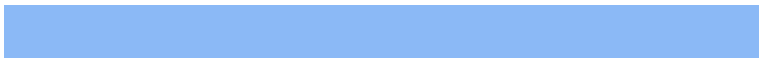
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2947, 0.2522, 0.3194



76.7110, 0.2431, 0.3172



47.0340, 0.2409, 0.2533



18.5320, 0.2981, 0.3272



33.1162, 0.2182, 0.3053



2.9730, 0.2190, 0.3085



# Inverse Universe

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



44.2649, 0.3247, 0.2293



41.8720, 0.3275, 0.2118



62.6305, 0.3976, 0.3936



16.7455, 0.3150, 0.3074



13.4425, 0.3408, 0.1651

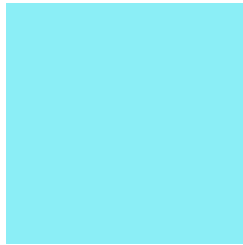


1.1878, 0.3380, 0.1636



# Previews

## White Background



This preview shows how the Yxy color 73.2919, 0.2522, 0.3194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

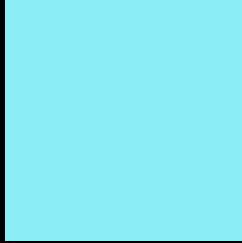
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2919, 0.2522, 0.3194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

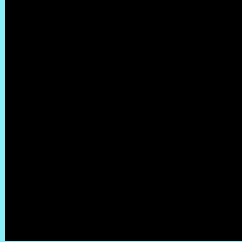
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2919, 0.2522, 0.3194**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2919, 0.2522, 0.3194.

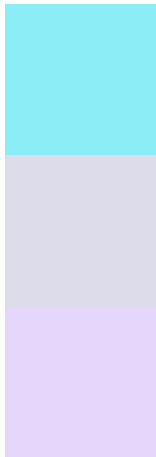


This preview shows how white text looks on a background with the Yxy color 73.2919, 0.2522, 0.3194.

# 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

73.2919, 0.2522, 0.3194

### Protanopia

72.5567, 0.3037, 0.3129

### Deuteranopia

72.2239, 0.2990, 0.2917



## Tritanopia

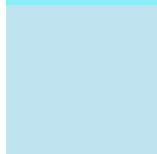
73.1402, 0.2499, 0.3070

# Trichromacy



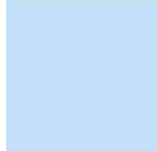
## Original Color

73.2919, 0.2522, 0.3194



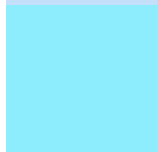
## Protanomaly

72.2465, 0.2818, 0.3155



## Deuteranomaly

71.3507, 0.2789, 0.3004



## Tritanomaly

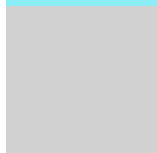
73.3474, 0.2506, 0.3115

# Monochromacy



## Original Color

73.2919, 0.2522, 0.3194



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.6507, 0.2869, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2919, 0.2522, 0.3194 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, 238, 246)` looks like.

```
.text, #text, p{  
    color:rgb(139, 238, 246)  
}
```

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, 238, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 238, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2919, 0.2522, 0.3194 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, 238, 246) }
```

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

```
.border{ border-color:rgb(139, 238, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 238, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 238, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 238, 246);  
box-shadow:4px 4px 4px 4px rgb(139, 238,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2919, 0.2522, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 238, 246) }
```

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

```
.background{ background-color: rgb(139,  
238, 246) }
```

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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