

# Converting Colors

$Yxy(62.0134, 0.2319, 0.3177)$

Have a look what the booklet for  
Yxy(62.0134, 0.2319, 0.3177)  
contains.

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# Color

**Yxy(62.0106, 0.2319, 0.3172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EE2EB
RGB	78, 226, 235
RGB Percent	31%, 89%, 92%
CMY	0.6937, 0.1137, 0.0786
CMYK	0.67, 0.04, 0.00, 0.08
HSL	183°, 80%, 61%
HSV	183°, 67%, 92%
XYZ	45.3350, 62.0106, 88.1481
YIQ	182.7740, -91.0970, -28.5770

# Conversions

## Conversions Part 2

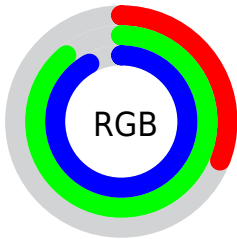
Format	Color
<b>RYB</b>	78, 154, 235
Decimal	5169899
CIELab	82.92, -35.71, -15.85
CIELCh	83, 39.072, 203.933
Yxy	62.0106, 0.2319, 0.3172
Android (android.graphics.Color)	4283359979 (0xFF4EE2EB)
YUV	182.7740, 25.7474, -91.8868
Hunter-Lab	78.7468, -35.0434, -11.2457

# Details

The Yxy color **62.0106, 0.2319, 0.3172** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.0347, 0.5270, 0.3380**, and the grayscale version is **47.1327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **32.0041, 0.2204, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **60.4627, 0.2262, 0.3152**, and if you desaturate by 10%, it is **63.9234, 0.2396, 0.3192**.

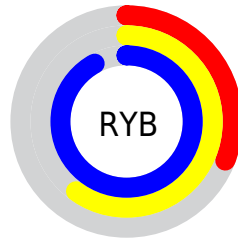
# Distribution



Red (31%)

Green (89%)

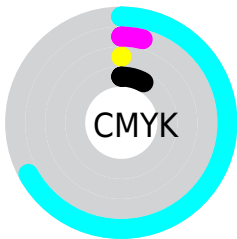
Blue (92%)



Red (31%)

Yellow (60%)

Blue (92%)

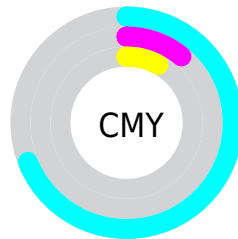


Cyan (67%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (69%)

Magenta (11%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0106, 0.2319, 0.3172 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 62.0106, 0.2319, 0.3172 by changing the saturation by 10% instead.




 62.0106, 0.2319,  
0.3172


 62.0106, 0.2319,  
0.3172

431.9698, 0.2692,  
0.3240

 45.0413, 0.2235,  
0.3153


 107.7409, 0.2448,  
0.3198


 31.4899, 0.2132,  
0.3128


 137.2706, 0.2498,  
0.3208

 20.9722, 0.2002,  
0.3094


 171.7558, 0.2541,  
0.3215

 13.1037, 0.1836,  
0.3044

 211.5811, 0.2579,  
0.3222

 7.5000, 0.1616,  
0.2967

257.1307, 0.2612,  
0.3228

 3.7767, 0.1317,  
0.2840

308.7891, 0.2642,

 1.5495, 0.0827,

0.3232

0.2627

366.9407, 0.2668,  
0.3236

■ 0.3232, 0.0000,  
0.1725

■ 0.0000, 0.0000,  
0.0000

■ 62.0106, 0.2319,  
0.3172

■ 62.0106, 0.2319,  
0.3172

■ 60.4627, 0.2262,  
0.3152

■ 63.9234, 0.2396,  
0.3192

■ 59.2329, 0.2223,  
0.3133


■ 66.2279, 0.2492,  
0.3211

■ 58.2730, 0.2202,  
0.3114


■ 68.9566, 0.2605,  
0.3230

■ 57.9931, 0.2197,  
0.3108

■ 72.1363, 0.2733,  
0.3247

 75.7918, 0.2873,  
0.3264

 79.9462, 0.3022,  
0.3280

 84.6208, 0.3178,  
0.3295

 87.6745, 0.3261,  
0.3308

 88.4538, 0.3260,  
0.3321

# Harmonies

## Analogous

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



62.0106, 0.2618, 0.3669



62.0106, 0.2319, 0.3172



62.0106, 0.2225, 0.2764

# Triad

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



62.0106, 0.2319, 0.3172



62.0106, 0.3125, 0.2653



62.0106, 0.3945, 0.4033

# Complementary

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



62.0106, 0.2319, 0.3172



25.0347, 0.5270, 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.



62.0106, 0.4119, 0.3701



62.0106, 0.2319, 0.3172



62.0106, 0.3627, 0.2937

# Square

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



62.0106, 0.2319, 0.3172



62.0106, 0.2660, 0.2508



62.0106, 0.4003, 0.3309



62.0106, 0.3555, 0.4190

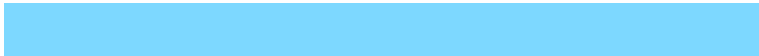


# Rectangle

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



62.0106, 0.2319, 0.3172



62.0106, 0.2281, 0.2592



62.0106, 0.4003, 0.3309



62.0106, 0.4032, 0.3935

# Sweetspot

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



62.0129, 0.2319, 0.3172



89.7321, 0.2825, 0.3259



61.6907, 0.3000, 0.5360



18.9395, 0.2785, 0.3254



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.



62.0129, 0.2319, 0.3172



72.2306, 0.2246, 0.3146



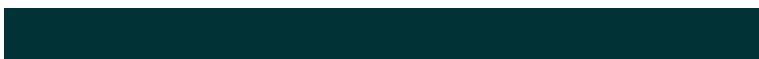
29.0173, 0.2053, 0.2065



16.9658, 0.2981, 0.3276



32.3526, 0.2198, 0.3111



2.5855, 0.2205, 0.3137



# Inverse Universe

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



28.6105, 0.3290, 0.1856



30.1195, 0.3322, 0.1706



44.8934, 0.4569, 0.4189



15.2980, 0.3147, 0.3071



12.7588, 0.3357, 0.1623

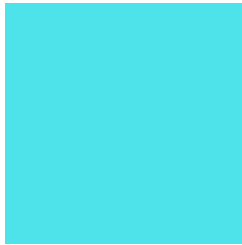


1.0064, 0.3335, 0.1611



# Previews

## White Background



This preview shows how the Yxy color 62.0106, 0.2319, 0.3172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

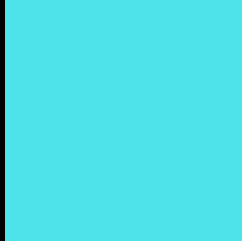
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.0106, 0.2319, 0.3172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

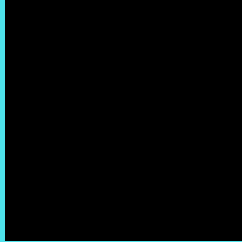
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.0106, 0.2319, 0.3172**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.0106, 0.2319, 0.3172.

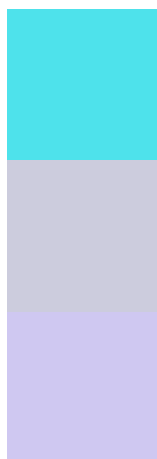


This preview shows how white text looks on a background with the Yxy color 62.0106, 0.2319, 0.3172.

# 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

62.0106, 0.2319, 0.3172

### Protanopia

61.2436, 0.3009, 0.3095

### Deuteranopia

60.9248, 0.2898, 0.2835



## Tritanopia

62.1153, 0.2294, 0.3059

# Trichromacy



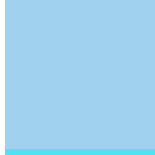
## Original Color

62.0106, 0.2319, 0.3172



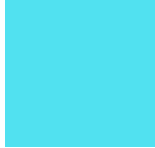
## Protanomaly

59.8471, 0.2675, 0.3117



## Deuteranomaly

59.3065, 0.2611, 0.2929



## Tritanomaly

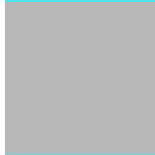
61.8910, 0.2304, 0.3096

# Monochromacy



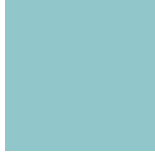
## Original Color

62.0106, 0.2319, 0.3172



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

51.1309, 0.2717, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.0106, 0.2319, 0.3172 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(78, 226, 235)` looks like.

```
.text, #text, p{  
    color:rgb(78, 226, 235)  
}
```

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(78, 226, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 226, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 62.0106, 0.2319, 0.3172 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(78, 226, 235) }
```

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

```
.border{ border-color:rgb(78, 226, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 226, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 226, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 226, 235);  
box-shadow:4px 4px 4px 4px rgb(78, 226,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.0106, 0.2319, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 226, 235) }
```

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

```
.background{ background-color: rgb(78, 226,  
235) }
```

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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