

# Converting Colors

$Y_{xy}(62.0497, 0.2216, 0.3178)$

Have a look what the booklet for  
Yxy(62.0497, 0.2216, 0.3178)  
contains.

<b>Yxy(62.1530, 0.2217, 0.3183)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.1530, 0.2217, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E5ED
RGB	0, 229, 237
RGB Percent	0%, 90%, 93%
CMY	1.0000, 0.1019, 0.0707
CMYK	1.00, 0.03, 0.00, 0.07
HSL	182°, 100%, 46%
HSV	182°, 100%, 93%
XYZ	43.2904, 62.1530, 89.8221
YIQ	161.4410, -139.0520, -46.0600

# Conversions

## Conversions Part 2

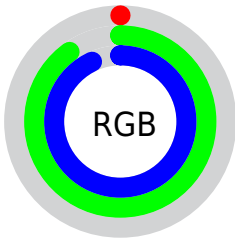
Format	Color
<a href="#">RYB</a>	<a href="#">0, 116, 237</a>
Decimal	<a href="#">58861</a>
CIELab	<a href="#">82.99, -42.00, -16.89</a>
CIELCh	<a href="#">83, 45.272, 201.909</a>
Yxy	<a href="#">62.1530, 0.2217, 0.3183</a>
Android (android.graphics.Color)	<a href="#">4278248941 (0xFF00E5ED)</a>
YUV	<a href="#">161.4410, 37.2506, -141.5838</a>
Hunter-Lab	<a href="#">78.8372, -39.9488, -12.3653</a>

# Details

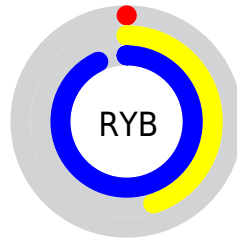
The Yxy color **62.1530, 0.2217, 0.3183** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.1746, 0.6383, 0.3314**, and the grayscale version is **35.7333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **33.2233, 0.2209, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **62.1638, 0.2218, 0.3183**, and if you desaturate by 10%, it is **62.7961, 0.2233, 0.3194**.

# Distribution



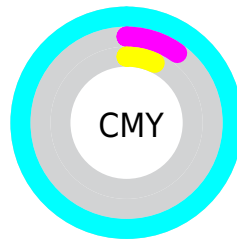
- Red (0%)
- Green (90%)
- Blue (93%)



- Red (0%)
- Yellow (45%)
- Blue (93%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (10%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1530, 0.2217, 0.3183 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 62.1530, 0.2217, 0.3183 by changing the saturation by 10% instead.




 62.1530, 0.2217,  
0.3183


 62.1530, 0.2217,  
0.3183


432.4890, 0.2635,  
0.3249


 45.1563, 0.2124,  
0.3164


 107.9466, 0.2361,  
0.3209


 31.5806, 0.2009,  
0.3138


 137.5124, 0.2417,  
0.3218


 21.0413, 0.1867,  
0.3102


 172.0366, 0.2465,  
0.3226

 13.1542, 0.1686,  
0.3049


 211.9038, 0.2508,  
0.3232

 7.5348, 0.1450,  
0.2967

 257.4982, 0.2545,  
0.3237

 3.7988, 0.1135,  
0.2829

309.2042, 0.2578,

 1.5616, 0.0572,

0.3242

0.2613

367.4064, 0.2608,  
0.3246

■ 0.3315, 0.0000,  
0.1661

■ 0.0000, 0.0000,  
0.0000

■ 62.1530, 0.2217,  
0.3183

■ 62.1530, 0.2217,  
0.3183

■ 62.1638, 0.2218,  
0.3183

■ 62.7961, 0.2233,  
0.3194

■ 63.6631, 0.2263,  
0.3205

■ 64.8382, 0.2311,  
0.3216

■ 66.3647, 0.2378,  
0.3228

■ 68.2787, 0.2465,  
0.3239

■ 70.6121, 0.2570,  
0.3250

■ 73.3934, 0.2692,  
0.3261

■ 76.6484, 0.2827,  
0.3271

■ 80.4011, 0.2973,  
0.3281

# Harmonies

## Analogous

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



62.1530, 0.2568, 0.3770



62.1530, 0.2217, 0.3183



62.1530, 0.2097, 0.2704

# Triad

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



62.1530, 0.2217, 0.3183



62.1530, 0.3081, 0.2548



62.1530, 0.4089, 0.4115

# Complementary

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



62.1530, 0.2217, 0.3183



18.1746, 0.6383, 0.3314

# 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.



62.1530, 0.4275, 0.3719



62.1530, 0.2217, 0.3183



62.1530, 0.3667, 0.2859

# Square

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



62.1530, 0.2217, 0.3183



62.1530, 0.2558, 0.2395



62.1530, 0.4122, 0.3272



62.1530, 0.3647, 0.4332



# Rectangle

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



62.1530, 0.2217, 0.3183



62.1530, 0.2151, 0.2502



62.1530, 0.4122, 0.3272



62.1530, 0.4185, 0.3995

# Sweetspot

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



62.1638, 0.2218, 0.3183



86.6352, 0.2690, 0.3261



60.5762, 0.2996, 0.5985



18.2323, 0.2637, 0.3257



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.



62.1638, 0.2218, 0.3183



73.3948, 0.2217, 0.3183



17.3936, 0.1734, 0.1441



17.0300, 0.2981, 0.3282



33.9853, 0.2218, 0.3185



2.6959, 0.2222, 0.3200



# Inverse Universe

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



23.6600, 0.3296, 0.1590



27.9404, 0.3297, 0.1590



33.0237, 0.5331, 0.4149



15.3045, 0.3143, 0.3066



12.9236, 0.3295, 0.1589

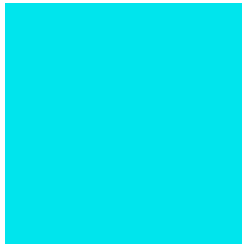


1.0176, 0.3282, 0.1582



# Previews

## White Background



This preview shows how the Yxy color 62.1530, 0.2217, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

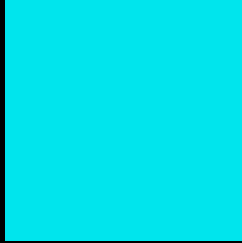
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1530, 0.2217, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

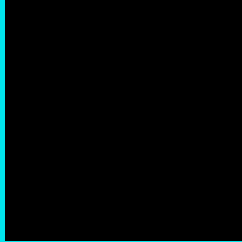
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.1530, 0.2217, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1530, 0.2217, 0.3183.

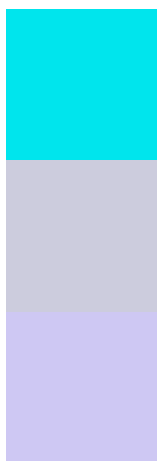


This preview shows how white text looks on a background with the Yxy color 62.1530, 0.2217, 0.3183.

# 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

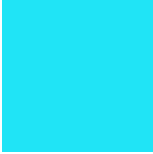
62.1530, 0.2217, 0.3183

### Protanopia

61.2436, 0.3009, 0.3095

### Deuteranopia

60.9014, 0.2878, 0.2814



## **Tritanopia**

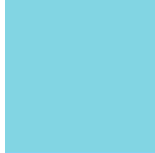
62.4477, 0.2201, 0.3057

# Trichromacy



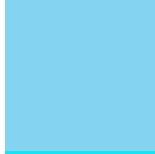
## Original Color

62.1530, 0.2217, 0.3183



## Protanomaly

57.8804, 0.2518, 0.3110



## Deuteranomaly

57.7647, 0.2450, 0.2916



## Tritanomaly

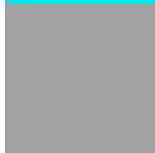
62.1066, 0.2202, 0.3093

# Monochromacy



## Original Color

62.1530, 0.2217, 0.3183



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

41.6167, 0.2511, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1530, 0.2217, 0.3183 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(0, 229, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 237)  
}
```

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(0, 229, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1530, 0.2217, 0.3183 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(0, 229, 237) }
```

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

```
.border{ border-color:rgb(0, 229, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1530, 0.2217, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 237) }
```

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

```
.background{ background-color: rgb(0, 229,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor