

# Converting Colors

$Y_{xy}(60.5321, 0.2179, 0.3044)$

Have a look what the booklet for  
Yxy(60.5321, 0.2179, 0.3044)  
contains.

<b>Yxy(60.3821, 0.2178, 0.3040)</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(60.3821, 0.2178, 0.3040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E1F4
RGB	0, 225, 244
RGB Percent	0%, 88%, 96%
CMY	0.9984, 0.1177, 0.0430
CMYK	1.00, 0.08, 0.00, 0.04
HSL	185°, 100%, 48%
HSV	185°, 100%, 96%
XYZ	43.2606, 60.3821, 94.9826
YIQ	159.8910, -140.1990, -41.7910

# Conversions

## Conversions Part 2

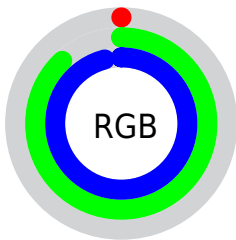
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 117, 244
Decimal	57844
CIELab	82.05, -38.00, -22.05
CIELCh	82, 43.936, 210.131
Yxy	60.3821, 0.2178, 0.3040
Android (android.graphics.Color)	4278247924 (0xFF00E1F4)
YUV	159.8910, 41.4657, -140.2244
Hunter-Lab	77.7059, -36.6105, -18.0781

# Details

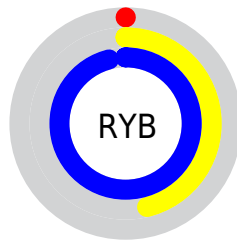
The Yxy color **60.3821, 0.2178, 0.3040** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.7197, 0.6353, 0.3336**, and the grayscale version is **35.0153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **32.0068, 0.2158, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **60.3641, 0.2178, 0.3040**, and if you desaturate by 10%, it is **61.6224, 0.2198, 0.3066**.

# Distribution



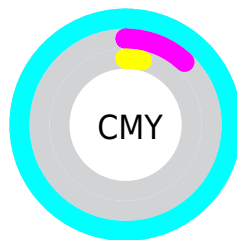
- Red (0%)
- Green (88%)
- Blue (96%)



- Red (0%)
- Yellow (46%)
- Blue (96%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (12%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3821, 0.2178, 0.3040 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 60.3821, 0.2178, 0.3040 by changing the saturation by 10% instead.




 60.3821, 0.2178,  
0.3040


 60.3821, 0.2178,  
0.3040


 426.0048, 0.2613,  
0.3175


 43.7267, 0.2081,  
0.3005

 105.3838, 0.2327,  
0.3091


 30.4557, 0.1963,  
0.2958


 134.4988, 0.2386,  
0.3109


 20.1847, 0.1816,  
0.2897


 168.5358, 0.2437,  
0.3125

 12.5294, 0.1629,  
0.2810

 207.8792, 0.2481,  
0.3138

 7.1053, 0.1388,  
0.2682

 252.9135, 0.2520,  
0.3149

 3.5280, 0.1070,  
0.2482

 304.0228, 0.2554,

 1.4132, 0.0523,

0.3159

0.2173

361.5918, 0.2585,  
0.3168

■ 0.2264, 0.0000,  
0.0997

■ 0.0000, 0.0000,  
0.0000

■ 60.3821, 0.2178,  
0.3040

■ 60.3821, 0.2178,  
0.3040

■ 60.3641, 0.2178,  
0.3040

■ 61.6224, 0.2198,  
0.3066

■ 63.1245, 0.2233,  
0.3093

■ 64.9666, 0.2287,  
0.3120

■ 67.1949, 0.2361,  
0.3147

■ 69.8486, 0.2453,  
0.3174

■ 72.9616, 0.2564,  
0.3200

■ 76.5646, 0.2689,  
0.3225

■ 80.6855, 0.2828,  
0.3248

■ 85.3500, 0.2975,  
0.3270

# Harmonies

## Analogous

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



60.3821, 0.2464, 0.3604



60.3821, 0.2178, 0.3040



60.3821, 0.2125, 0.2622

# Triad

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



60.3821, 0.2178, 0.3040



60.3821, 0.3240, 0.2631



60.3821, 0.3972, 0.4182

# Complementary

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



60.3821, 0.2178, 0.3040



19.7197, 0.6353, 0.3336

# 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.



60.3821, 0.4234, 0.3829



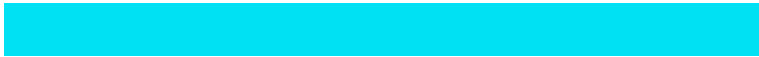
60.3821, 0.2178, 0.3040



60.3821, 0.3800, 0.2971

# Square

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



60.3821, 0.2178, 0.3040



60.3821, 0.2695, 0.2434



60.3821, 0.4177, 0.3394



60.3821, 0.3494, 0.4317

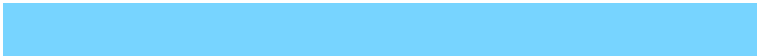


# Rectangle

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



60.3821, 0.2178, 0.3040



60.3821, 0.2219, 0.2464



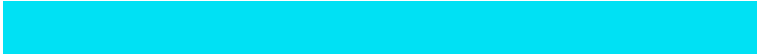
60.3821, 0.4177, 0.3394



60.3821, 0.4090, 0.4081

# Sweetspot

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



60.3843, 0.2178, 0.3040



84.5105, 0.2686, 0.3224



64.7593, 0.2991, 0.5967



17.7152, 0.2631, 0.3214



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.



60.3843, 0.2178, 0.3040



66.6826, 0.2178, 0.3039



16.8398, 0.1705, 0.1336



18.5232, 0.2981, 0.3271



32.9078, 0.2179, 0.3044



2.9569, 0.2188, 0.3077



# Inverse Universe

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



24.6828, 0.3419, 0.1658



27.2628, 0.3420, 0.1658



37.5483, 0.5232, 0.4227



16.7446, 0.3150, 0.3075



13.4214, 0.3416, 0.1655

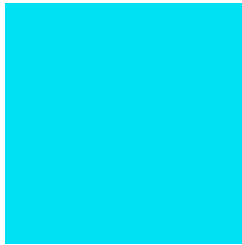


1.1861, 0.3387, 0.1639



# Previews

## White Background



This preview shows how the Yxy color 60.3821, 0.2178, 0.3040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

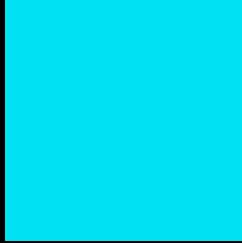
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.3821, 0.2178, 0.3040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

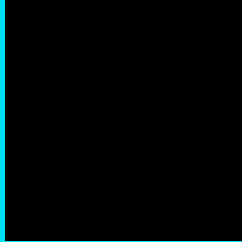
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.3821, 0.2178, 0.3040**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3821, 0.2178, 0.3040.



This preview shows how white text looks on a background with the Yxy color 60.3821, 0.2178, 0.3040.

# 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

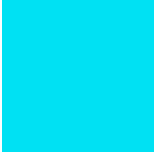
60.3821, 0.2178, 0.3040

### Protanopia

59.3805, 0.2918, 0.2979

### Deuteranopia

59.2961, 0.2777, 0.2711



## Tritanopia

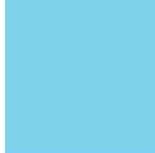
60.3215, 0.2181, 0.3053

# Trichromacy



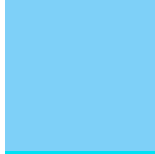
## Original Color

60.3821, 0.2178, 0.3040



## Protanomaly

56.4693, 0.2457, 0.2984



## Deuteranomaly

56.3247, 0.2386, 0.2794



## Tritanomaly

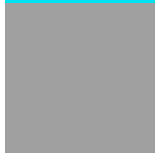
60.3215, 0.2181, 0.3053

# Monochromacy



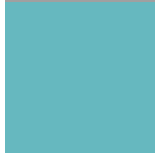
## Original Color

60.3821, 0.2178, 0.3040



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

40.8673, 0.2494, 0.3183

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3821, 0.2178, 0.3040 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, 225, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 244)  
}
```

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, 225, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3821, 0.2178, 0.3040 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, 225, 244) }
```

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

```
.border{ border-color:rgb(0, 225, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3821, 0.2178, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 244) }
```

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

```
.background{ background-color: rgb(0, 225,  
244) }
```

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