

# Converting Colors

$Y_{xy}(41.5695, 0.2239, 0.3259)$

Have a look what the booklet for  
Yxy(41.5695, 0.2239, 0.3259)  
contains.

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# Color

**Yxy(41.6008, 0.2239, 0.3256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02C0C2
RGB	2, 192, 194
RGB Percent	1%, 75%, 76%
CMY	0.9928, 0.2471, 0.2392
CMYK	0.99, 0.01, 0.00, 0.24
HSL	181°, 98%, 38%
HSV	181°, 99%, 76%
XYZ	28.6069, 41.6008, 57.5588
YIQ	135.4180, -113.8820, -39.6580

# Conversions

## Conversions Part 2

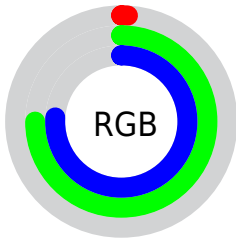
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 97, 194
Decimal	180418
CIELab	70.59, -38.17, -12.41
CIELCh	71, 40.141, 198.012
Yxy	41.6008, 0.2239, 0.3256
Android (android.graphics.Color)	4278370498 (0xFF02C0C2)
YUV	135.4180, 28.8809, -117.0076
Hunter-Lab	64.4987, -33.7030, -7.7615

# Details

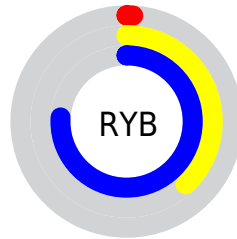
The Yxy color **41.6008, 0.2239, 0.3256** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **11.5567, 0.6378, 0.3305**, and the grayscale version is **24.2940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5965, 0.2400, 0.3276**, and **20.0704, 0.2235, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **41.5820, 0.2238, 0.3256**, and if you desaturate by 10%, it is **41.8416, 0.2255, 0.3259**.

# Distribution



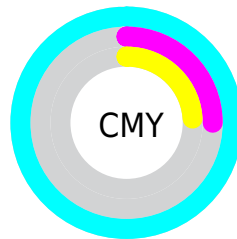
- Red (1%)
- Green (75%)
- Blue (76%)



- Red (1%)
- Yellow (38%)
- Blue (76%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



- Cyan (99%)
- Magenta (25%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6008, 0.2239, 0.3256 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 41.6008, 0.2239, 0.3256 by changing the saturation by 10% instead.





 41.6008, 0.2239,  
0.3256

 41.6008, 0.2239,  
0.3256


352.8254, 0.2678,  
0.3287

 28.7888, 0.2132,  
0.3244


 77.5951, 0.2396,  
0.3271

 18.9211, 0.1998,  
0.3225


 101.5462, 0.2456,  
0.3275


 11.6133, 0.1823,  
0.3195


 129.9792, 0.2507,  
0.3279

 6.4810, 0.1588,  
0.3144

 163.2784, 0.2551,  
0.3281

 3.1397, 0.1262,  
0.3049

 201.8282, 0.2589,  
0.3283

 1.2051, 0.0448,  
0.2953

246.0131, 0.2622,

 0.0658, 0.0000,

0.3285

0.0655

296.2173, 0.2651,  
0.3286

■ 0.0000, 0.0000,  
0.0000

■ 41.6008, 0.2239,  
0.3256

■ 41.6008, 0.2239,  
0.3256

■ 41.5820, 0.2238,  
0.3256

■ 41.8416, 0.2255,  
0.3259

■ 42.2328, 0.2285,  
0.3263

■ 42.8199, 0.2333,  
0.3266

■ 43.6287, 0.2400,  
0.3270

■ 44.6807, 0.2486,  
0.3274

■ 45.9951, 0.2590,  
0.3277

■ 47.5892, 0.2711,  
0.3281

■ 49.4786, 0.2844,  
0.3284

■ 51.6780, 0.2989,  
0.3287

# Harmonies

## Analogous

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



41.6008, 0.2622, 0.3850



41.6008, 0.2239, 0.3256



41.6008, 0.2087, 0.2747

# Triad

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



41.6008, 0.2239, 0.3256



41.6008, 0.3004, 0.2509



41.6008, 0.4143, 0.4079

# Complementary

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



41.6008, 0.2239, 0.3256



11.5567, 0.6378, 0.3305

# 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.



41.6008, 0.4291, 0.3665



41.6008, 0.2239, 0.3256



41.6008, 0.3599, 0.2805

# Square

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



41.6008, 0.2239, 0.3256



41.6008, 0.2494, 0.2379



41.6008, 0.4090, 0.3213



41.6008, 0.3721, 0.4333



# Rectangle

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



41.6008, 0.2239, 0.3256



41.6008, 0.2120, 0.2523



41.6008, 0.4090, 0.3213



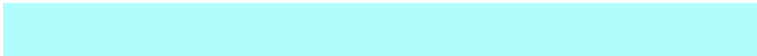
41.6008, 0.4228, 0.3952

# Sweetspot

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



41.6023, 0.2239, 0.3256



85.7775, 0.2693, 0.3280



38.5985, 0.3000, 0.5993



18.5054, 0.2640, 0.3279



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.



41.6023, 0.2239, 0.3256



75.3125, 0.2238, 0.3255



12.6277, 0.1777, 0.1589



11.4098, 0.2984, 0.3287



27.3477, 0.2238, 0.3256



1.1875, 0.2240, 0.3264



# Inverse Universe

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



15.3145, 0.3235, 0.1559



27.6700, 0.3236, 0.1556



20.1939, 0.5393, 0.4091



10.2457, 0.3139, 0.3065



10.0430, 0.3235, 0.1556



0.4345, 0.3229, 0.1552



# Previews

## White Background



This preview shows how the Yxy color 41.6008, 0.2239, 0.3256 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 41.6008, 0.2239, 0.3256 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

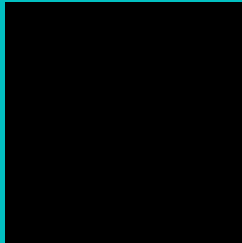
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

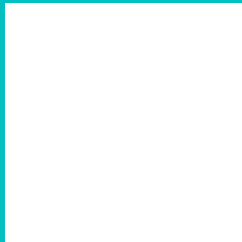
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.6008, 0.2239, 0.3256**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.6008, 0.2239, 0.3256.



This preview shows how white text looks on a background with the Yxy color 41.6008, 0.2239, 0.3256.

# 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

41.6072, 0.2239, 0.3256

### Protanopia

40.8563, 0.3054, 0.3141

### Deuteranopia

40.8749, 0.2936, 0.2870



## Tritanopia

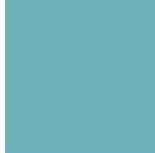
41.6065, 0.2209, 0.3045

# Trichromacy



## Original Color

41.6072, 0.2239, 0.3256



## Protanomaly

38.7010, 0.2554, 0.3167



## Deuteranomaly

38.5266, 0.2496, 0.2978



## Tritanomaly

41.6964, 0.2216, 0.3119

# Monochromacy



## Original Color

41.6072, 0.2239, 0.3256



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

28.2035, 0.2544, 0.3288

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6008, 0.2239, 0.3256 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(2, 192, 194)` looks like.

```
.text, #text, p{  
    color:rgb(2, 192, 194)  
}
```

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(2, 192, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 192, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6008, 0.2239, 0.3256 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(2, 192, 194) }
```

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

```
.border{ border-color:rgb(2, 192, 194) }
```

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

Here you see how a box with a 4 pixel rgb(2, 192, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 192, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 192, 194);  
box-shadow:4px 4px 4px 4px rgb(2, 192,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6008, 0.2239, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 192, 194) }
```

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

```
.background{ background-color: rgb(2, 192,  
194) }
```

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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