

Converting Colors

$Y_{xy}(40.0215, 0.2063, 0.3176)$

Have a look what the booklet for
Yxy(40.0215, 0.2063, 0.3176)
contains.

Yxy(41.3388, 0.2216, 0.3179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.3388, 0.2216, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	00BFC6
RGB	0, 191, 198
RGB Percent	0%, 75%, 78%
CMY	1.0000, 0.2509, 0.2236
CMYK	1.00, 0.04, 0.00, 0.22
HSL	182°, 100%, 39%
HSV	182°, 100%, 78%
XYZ	28.8162, 41.3388, 59.8821
YIQ	134.6890, -116.0830, -38.3150

Conversions

Conversions Part 2

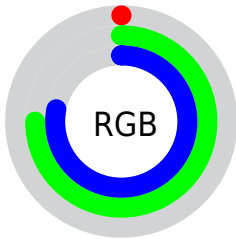
Format	Color
RYB	0, 97, 198
Decimal	49094
CIELab	70.41, -36.57, -14.87
CIELCh	70, 39.483, 202.130
Yxy	41.3388, 0.2216, 0.3179
Android (android.graphics.Color)	4278239174 (0xFF00BFC6)
YUV	134.6890, 31.2123, -118.1223
Hunter-Lab	64.2953, -32.5155, -10.2137

Details

The Yxy color **41.3388, 0.2216, 0.3179** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.1565, 0.6377, 0.3318**, and the grayscale version is **24.0249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2979, 0.2377, 0.3206**, and **19.9049, 0.2206, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **41.3449, 0.2216, 0.3179**, and if you desaturate by 10%, it is **41.7967, 0.2234, 0.3190**.

Distribution



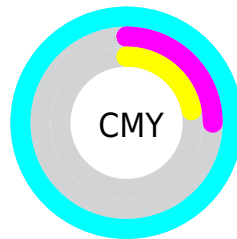
- Red (0%)
- Green (75%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)




- Cyan (100%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3388, 0.2216, 0.3179 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 41.3388, 0.2216, 0.3179 by changing the saturation by 10% instead.

 41.3388, 0.2216,
0.3179


 41.3388, 0.2216,
0.3179


351.7346, 0.2665,
0.3251


 28.5839, 0.2107,
0.3156


 77.1979, 0.2377,
0.3209


 18.7663, 0.1970,
0.3124


 101.0710, 0.2438,
0.3219

 11.5015, 0.1793,
0.3076


 129.4189, 0.2490,
0.3227

 6.4052, 0.1555,
0.2999

 162.6260, 0.2535,
0.3233

 3.0930, 0.1229,
0.2866

 201.0767, 0.2574,
0.3239

 1.1805, 0.0463,
0.2693

245.1555, 0.2608,

 0.0457, 0.0000,

0.3243

0.0400

295.2466, 0.2638,
0.3247

■ 0.0000, 0.0000,
0.0000

■ 41.3388, 0.2216,
0.3179

■ 41.3388, 0.2216,
0.3179

■ 41.3449, 0.2216,
0.3179

■ 41.7967, 0.2234,
0.3190

■ 42.3998, 0.2265,
0.3202

■ 43.2068, 0.2314,
0.3214

■ 44.2451, 0.2383,
0.3226

■ 45.5378, 0.2470,
0.3237

■ 47.1054, 0.2575,
0.3249

■ 48.9660, 0.2696,
0.3260

■ 51.1364, 0.2830,
0.3271

■ 53.6320, 0.2975,
0.3281

Harmonies

Analogous

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



41.3388, 0.2566, 0.3765



41.3388, 0.2216, 0.3179



41.3388, 0.2098, 0.2701

Triad

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



41.3388, 0.2216, 0.3179



41.3388, 0.3085, 0.2550



41.3388, 0.4086, 0.4117

Complementary

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



41.3388, 0.2216, 0.3179



12.1565, 0.6377, 0.3318

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.



41.3388, 0.4274, 0.3722



41.3388, 0.2216, 0.3179



41.3388, 0.3670, 0.2862

Square

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



41.3388, 0.2216, 0.3179



41.3388, 0.2562, 0.2397



41.3388, 0.4123, 0.3275



41.3388, 0.3643, 0.4331

Rectangle

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



41.3388, 0.2216, 0.3179



41.3388, 0.2152, 0.2501



41.3388, 0.4123, 0.3275



41.3388, 0.4182, 0.3998

Sweetspot

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



41.3449, 0.2216, 0.3179



86.5557, 0.2690, 0.3260



40.3999, 0.2995, 0.5981



18.2129, 0.2637, 0.3255



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.



41.3449, 0.2216, 0.3179



73.1382, 0.2216, 0.3177



11.8002, 0.1739, 0.1460



12.0009, 0.2984, 0.3281



26.9170, 0.2217, 0.3181



1.2950, 0.2224, 0.3204

Inverse Universe

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



15.7672, 0.3300, 0.1591



27.9145, 0.3301, 0.1592



22.2301, 0.5316, 0.4161



10.8099, 0.3143, 0.3070



10.2573, 0.3298, 0.1591



0.4878, 0.3278, 0.1580

Previews

White Background



This preview shows how the Yxy color 41.3388, 0.2216, 0.3179 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 41.3388, 0.2216, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

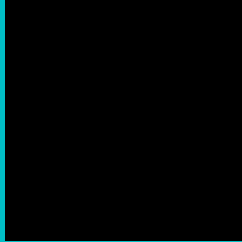
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3388, 0.2216, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 41.3388, 0.2216, 0.3179.

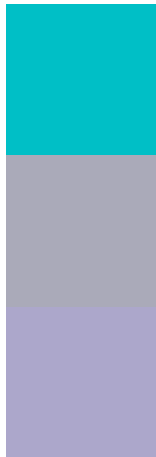


This preview shows how white text looks on a background with the Yxy color 41.3388, 0.2216, 0.3179.

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

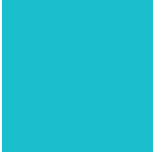
41.3388, 0.2216, 0.3179

Protanopia

40.7983, 0.3004, 0.3086

Deuteranopia

40.7199, 0.2880, 0.2818



Tritanopia

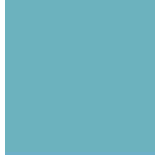
41.4677, 0.2205, 0.3059

Trichromacy



Original Color

41.3388, 0.2216, 0.3179



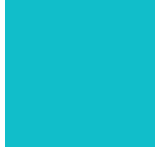
Protanomaly

38.7466, 0.2518, 0.3108



Deuteranomaly

38.5189, 0.2455, 0.2921



Tritanomaly

41.2104, 0.2207, 0.3103

Monochromacy



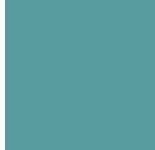
Original Color

41.3388, 0.2216, 0.3179



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.8897, 0.2521, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3388, 0.2216, 0.3179 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, 191, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 198)  
}
```

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, 191, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 198) }
```

Border

The CSS property to change the border of an element to Yxy 41.3388, 0.2216, 0.3179 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, 191, 198) }
```

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

```
.border{ border-color:rgb(0, 191, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3388, 0.2216, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 198) }
```

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

```
.background{ background-color: rgb(0, 191,  
198) }
```

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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