

Converting Colors

$Y_{xy}(41.4992, 0.2195, 0.3103)$

Have a look what the booklet for
Yxy(41.4992, 0.2195, 0.3103)
contains.

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Color

Yxy(41.5734, 0.2195, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	00BFCB
RGB	0, 191, 203
RGB Percent	0%, 75%, 80%
CMY	1.0000, 0.2510, 0.2038
CMYK	1.00, 0.06, 0.00, 0.20
HSL	184°, 100%, 40%
HSV	184°, 100%, 80%
XYZ	29.4082, 41.5734, 62.9965
YIQ	135.2590, -117.6880, -36.7600

Conversions

Conversions Part 2

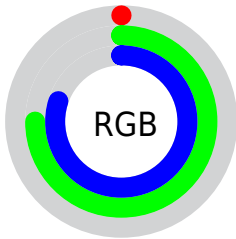
Format	Color
RYB	0, 98, 203
Decimal	49099
CIELab	70.58, -34.99, -17.39
CIELCh	71, 39.073, 206.419
Yxy	41.5734, 0.2195, 0.3103
Android (android.graphics.Color)	4278239179 (0xFF00BFCB)
YUV	135.2590, 33.3963, -118.6221
Hunter-Lab	64.4774, -31.4216, -12.7940

Details

The Yxy color **41.5734, 0.2195, 0.3103** 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 **12.9653, 0.6362, 0.3330**, and the grayscale version is **24.2392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2979, 0.2377, 0.3206**, and **20.0612, 0.2178, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **41.5784, 0.2195, 0.3103**, and if you desaturate by 10%, it is **42.2572, 0.2215, 0.3123**.

Distribution



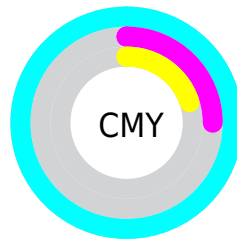
- Red (0%)
- Green (75%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5734, 0.2195, 0.3103 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 41.5734, 0.2195, 0.3103 by changing the saturation by 10% instead.


 41.5734, 0.2195,
0.3103


 41.5734, 0.2195,
0.3103


352.7115, 0.2652,
0.3214


 28.7674, 0.2085,
0.3070


 77.5536, 0.2358,
0.3147

 18.9049, 0.1946,
0.3025


 101.4965, 0.2421,
0.3163

 11.6016, 0.1768,
0.2960

 129.9206, 0.2474,
0.3175

 6.4730, 0.1531,
0.2861

 163.2102, 0.2519,
0.3186

 3.1348, 0.1207,
0.2697

 201.7497, 0.2559,
0.3194

 1.2025, 0.0528,
0.2455

245.9234, 0.2594,

 0.0637, 0.0000,

0.3202

0.0460

296.1159, 0.2625,
0.3208

■ 0.0000, 0.0000,
0.0000

■ 41.5734, 0.2195,
0.3103

■ 41.5734, 0.2195,
0.3103

■ 41.5784, 0.2195,
0.3103

■ 42.2572, 0.2215,
0.3123

■ 43.0999, 0.2249,
0.3142

■ 44.1613, 0.2301,
0.3162

■ 45.4707, 0.2372,
0.3182

■ 47.0528, 0.2462,
0.3202

■ 48.9292, 0.2570,
0.3222

■ 51.1195, 0.2693,
0.3240

■ 53.6413, 0.2829,
0.3258

■ 56.5112, 0.2975,
0.3275

Harmonies

Analogous

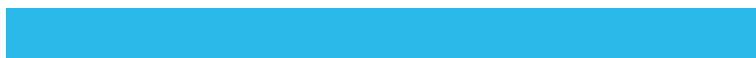
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5734, 0.2510, 0.3678



41.5734, 0.2195, 0.3103



41.5734, 0.2112, 0.2658

Triad

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



41.5734, 0.2195, 0.3103



41.5734, 0.3169, 0.2594



41.5734, 0.4025, 0.4152

Complementary

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



41.5734, 0.2195, 0.3103



12.9653, 0.6362, 0.3330

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.



41.5734, 0.4253, 0.3779



41.5734, 0.2195, 0.3103



41.5734, 0.3741, 0.2921

Square

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



41.5734, 0.2195, 0.3103



41.5734, 0.2633, 0.2417



41.5734, 0.4153, 0.3339



41.5734, 0.3562, 0.4325

Rectangle

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



41.5734, 0.2195, 0.3103



41.5734, 0.2188, 0.2480



41.5734, 0.4153, 0.3339



41.5734, 0.4133, 0.4043

Sweetspot

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



41.5784, 0.2195, 0.3103



85.4065, 0.2688, 0.3240



42.7514, 0.2992, 0.5972



17.9331, 0.2634, 0.3232



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.



41.5784, 0.2195, 0.3103



69.4768, 0.2195, 0.3101



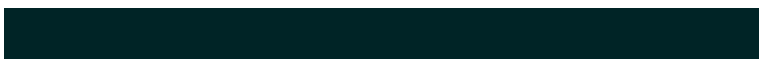
11.8585, 0.1723, 0.1404



12.6087, 0.2984, 0.3276



26.4975, 0.2196, 0.3106



1.4023, 0.2207, 0.3144

Inverse Universe

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



16.4636, 0.3364, 0.1627



27.5449, 0.3367, 0.1628



24.2173, 0.5269, 0.4198



11.3918, 0.3147, 0.3075



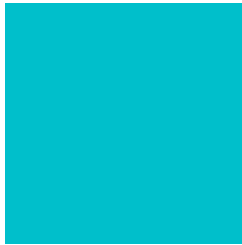
10.4779, 0.3362, 0.1626



0.5441, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 41.5734, 0.2195, 0.3103 looks on a white background.

Color Contrast Check

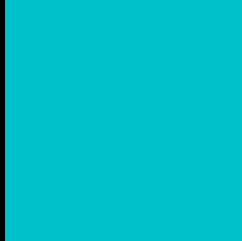
Large Text (above 18pt) WCAG AA × Fail

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 41.5734, 0.2195, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

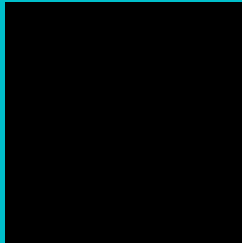
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5734, 0.2195, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 41.5734, 0.2195, 0.3103.

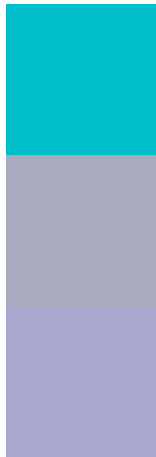


This preview shows how white text looks on a background with the Yxy color 41.5734, 0.2195, 0.3103.

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

41.5734, 0.2195, 0.3103

Protanopia

40.9022, 0.2956, 0.3020

Deuteranopia

41.1054, 0.2827, 0.2769



Tritanopia

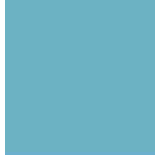
41.8464, 0.2195, 0.3060

Trichromacy



Original Color

41.5734, 0.2195, 0.3103



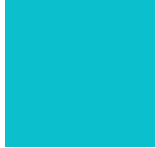
Protanomaly

38.9691, 0.2489, 0.3035



Deuteranomaly

38.6950, 0.2421, 0.2852



Tritanomaly

41.7405, 0.2194, 0.3074

Monochromacy



Original Color

41.5734, 0.2195, 0.3103



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.9592, 0.2507, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5734, 0.2195, 0.3103 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 203) }
```

Border

The CSS property to change the border of an element to Yxy 41.5734, 0.2195, 0.3103 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, 203) }
```

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

```
.border{ border-color:rgb(0, 191, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5734, 0.2195, 0.3103 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, 203) }
```

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

```
.background{ background-color: rgb(0, 191,  
203) }
```

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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