

Converting Colors

$Y_{xy}(39.5701, 0.2049, 0.3242)$

Have a look what the booklet for
Yxy(39.5701, 0.2049, 0.3242)
contains.

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Color

Yxy(41.1566, 0.2234, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	01BFC2
RGB	1, 191, 194
RGB Percent	0%, 75%, 76%
CMY	0.9962, 0.2510, 0.2392
CMYK	1.00, 0.02, 0.00, 0.24
HSL	181°, 99%, 38%
HSV	181°, 100%, 76%
XYZ	28.3777, 41.1566, 57.4922
YIQ	134.5320, -114.2030, -39.3470

Conversions

Conversions Part 2

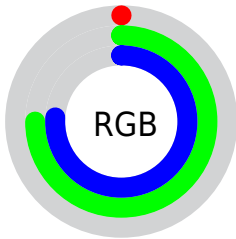
Format	Color
RYB	1, 97, 194
Decimal	114626
CIELab	70.29, -37.74, -12.88
CIELCh	70, 39.877, 198.849
Yxy	41.1566, 0.2234, 0.3240
Android (android.graphics.Color)	4278304706 (0xFF01BFC2)
YUV	134.5320, 29.3177, -117.1076
Hunter-Lab	64.1534, -33.3105, -8.2264

Details

The Yxy color **41.1566, 0.2234, 0.3240** 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 **11.5593, 0.6382, 0.3308**, and the grayscale version is **23.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9205, 0.2394, 0.3264**, and **19.7848, 0.2229, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **41.1453, 0.2233, 0.3240**, and if you desaturate by 10%, it is **41.4371, 0.2250, 0.3245**.

Distribution



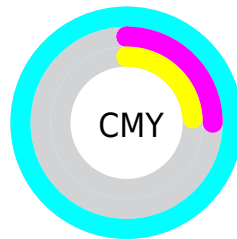
- Red (0%)
- Green (75%)
- Blue (76%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1566, 0.2234, 0.3240 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 41.1566, 0.2234, 0.3240 by changing the saturation by 10% instead.

 41.1566, 0.2234,
0.3240


 41.1566, 0.2234,
0.3240


350.9747, 0.2676,
0.3280

 28.4415, 0.2127,
0.3225


 76.9216, 0.2393,
0.3258


 18.6587, 0.1991,
0.3204


 100.7402, 0.2453,
0.3264


 11.4239, 0.1814,
0.3170


 129.0288, 0.2504,
0.3268

 6.3527, 0.1577,
0.3113

 162.1717, 0.2548,
0.3271

 3.0607, 0.1249,
0.3008

 200.5533, 0.2586,
0.3274

 1.1635, 0.0402,
0.2903

244.5581, 0.2620,

 0.0316, 0.0000,

0.3276

0.0327

294.5704, 0.2649,
0.3278

■ 0.0000, 0.0000,
0.0000

■ 41.1566, 0.2234,
0.3240

■ 41.1566, 0.2234,
0.3240

■ 41.1453, 0.2233,
0.3240

■ 41.4371, 0.2250,
0.3245

■ 41.8638, 0.2280,
0.3250

■ 42.4854, 0.2328,
0.3255

■ 43.3277, 0.2395,
0.3261

■ 44.4126, 0.2481,
0.3266

■ 45.7592, 0.2584,
0.3271

■ 47.3849, 0.2704,
0.3276

■ 49.3055, 0.2838,
0.3281

■ 51.5357, 0.2982,
0.3286

Harmonies

Analogous

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



41.1566, 0.2610, 0.3833



41.1566, 0.2234, 0.3240



41.1566, 0.2089, 0.2737

Triad

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



41.1566, 0.2234, 0.3240



41.1566, 0.3020, 0.2517



41.1566, 0.4131, 0.4087

Complementary

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



41.1566, 0.2234, 0.3240



11.5593, 0.6382, 0.3308

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.



41.1566, 0.4288, 0.3677



41.1566, 0.2234, 0.3240



41.1566, 0.3614, 0.2817

Square

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



41.1566, 0.2234, 0.3240



41.1566, 0.2508, 0.2382



41.1566, 0.4097, 0.3226



41.1566, 0.3705, 0.4333

Rectangle

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



41.1566, 0.2234, 0.3240



41.1566, 0.2126, 0.2518



41.1566, 0.4097, 0.3226



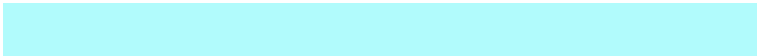
41.1566, 0.4219, 0.3961

Sweetspot

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



41.1581, 0.2234, 0.3240



85.5303, 0.2692, 0.3276



38.5962, 0.3000, 0.5996



18.4437, 0.2639, 0.3274



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.



41.1581, 0.2234, 0.3240



74.4986, 0.2233, 0.3239



12.5416, 0.1774, 0.1581



11.4005, 0.2984, 0.3286



27.0608, 0.2234, 0.3240



1.1780, 0.2237, 0.3252

Inverse Universe

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



15.2527, 0.3248, 0.1565



27.5879, 0.3249, 0.1564



20.1126, 0.5402, 0.4088



10.2447, 0.3140, 0.3067



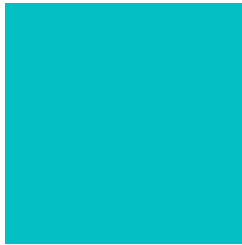
10.0140, 0.3248, 0.1563



0.4336, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 41.1566, 0.2234, 0.3240 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 41.1566, 0.2234, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

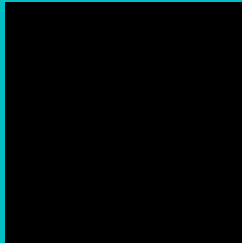
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

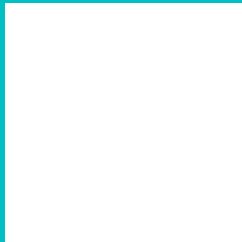
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1566, 0.2234, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 41.1566, 0.2234, 0.3240.

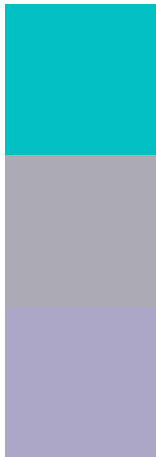


This preview shows how white text looks on a background with the Yxy color 41.1566, 0.2234, 0.3240.

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

41.1631, 0.2234, 0.3240

Protanopia

40.7436, 0.3045, 0.3140

Deuteranopia

40.6452, 0.2919, 0.2868



Tritanopia

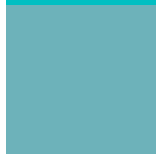
41.0943, 0.2206, 0.3044

Trichromacy



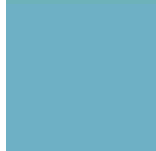
Original Color

41.1631, 0.2234, 0.3240



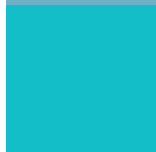
Protanomaly

38.6372, 0.2548, 0.3167



Deuteranomaly

38.3969, 0.2484, 0.2977



Tritanomaly

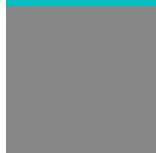
41.1927, 0.2214, 0.3118

Monochromacy



Original Color

41.1631, 0.2234, 0.3240



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.8214, 0.2534, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1566, 0.2234, 0.3240 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(1, 191, 194)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 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(1, 191, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 194) }
```

Border

The CSS property to change the border of an element to Yxy 41.1566, 0.2234, 0.3240 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(1, 191, 194) }
```

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

```
.border{ border-color:rgb(1, 191, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 194);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1566, 0.2234, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 194) }
```

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

```
.background{ background-color: rgb(1, 191,  
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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