

Converting Colors

$Y_{xy}(35.8734, 0.1554, 0.3240)$

Have a look what the booklet for
Yxy(35.8734, 0.1554, 0.3240)
contains.

Yxy(41.6394, 0.2234, 0.3241)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.6394, 0.2234, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	01C0C3
RGB	1, 192, 195
RGB Percent	0%, 75%, 76%
CMY	0.9979, 0.2471, 0.2354
CMYK	1.00, 0.02, 0.00, 0.24
HSL	181°, 99%, 38%
HSV	181°, 100%, 76%
XYZ	28.7018, 41.6394, 58.1358
YIQ	135.2330, -114.7990, -39.5590

Conversions

Conversions Part 2

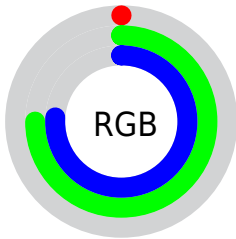
Format	Color
RYB	1, 97, 195
Decimal	114883
CIELab	70.62, -37.92, -12.90
CIELCh	71, 40.055, 198.795
Yxy	41.6394, 0.2234, 0.3241
Android (android.graphics.Color)	4278304963 (0xFF01C0C3)
YUV	135.2330, 29.4651, -117.7223
Hunter-Lab	64.5286, -33.5298, -8.2462

Details

The Yxy color **41.6394, 0.2234, 0.3241** 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 **11.6755, 0.6386, 0.3308**, and the grayscale version is **24.1841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7227, 0.2392, 0.3252**, and **20.1000, 0.2229, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **41.6339, 0.2234, 0.3241**, and if you desaturate by 10%, it is **41.9176, 0.2250, 0.3246**.

Distribution



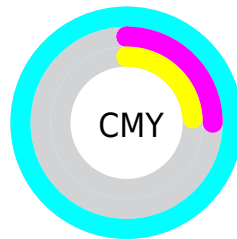
- Red (0%)
- Green (75%)
- Blue (76%)



- 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 41.6394, 0.2234, 0.3241 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 41.6394, 0.2234, 0.3241 by changing the saturation by 10% instead.

 41.6394, 0.2234,
0.3241


 41.6394, 0.2234,
0.3241


352.9859, 0.2675,
0.3280


 28.8190, 0.2127,
0.3226


 77.6536, 0.2392,
0.3259

 18.9440, 0.1992,
0.3205

 101.6162, 0.2452,
0.3264


 11.6298, 0.1816,
0.3172


 130.0617, 0.2503,
0.3269

 6.4921, 0.1581,
0.3116

 163.3744, 0.2547,
0.3272

 3.1466, 0.1256,
0.3013

 201.9388, 0.2585,
0.3275

 1.2087, 0.0461,
0.2900

246.1393, 0.2619,

 0.0688, 0.0000,

0.3277

0.0658

296.3602, 0.2648,
0.3279

■ 0.0000, 0.0000,
0.0000

■ 41.6394, 0.2234,
0.3241

■ 41.6394, 0.2234,
0.3241

■ 41.6339, 0.2234,
0.3241

■ 41.9176, 0.2250,
0.3246

■ 42.3415, 0.2279,
0.3251

■ 42.9619, 0.2327,
0.3256

■ 43.8050, 0.2393,
0.3261

■ 44.8930, 0.2479,
0.3266

■ 46.2454, 0.2582,
0.3272

■ 47.8798, 0.2701,
0.3277

■ 49.8122, 0.2835,
0.3281

■ 52.0574, 0.2979,
0.3286

Harmonies

Analogous

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



41.6394, 0.2611, 0.3834



41.6394, 0.2234, 0.3241



41.6394, 0.2088, 0.2738

Triad

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



41.6394, 0.2234, 0.3241



41.6394, 0.3019, 0.2517



41.6394, 0.4132, 0.4087

Complementary

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



41.6394, 0.2234, 0.3241



11.6755, 0.6386, 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.



41.6394, 0.4288, 0.3676



41.6394, 0.2234, 0.3241



41.6394, 0.3613, 0.2816

Square

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



41.6394, 0.2234, 0.3241



41.6394, 0.2506, 0.2381



41.6394, 0.4097, 0.3225



41.6394, 0.3707, 0.4334

Rectangle

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



41.6394, 0.2234, 0.3241



41.6394, 0.2126, 0.2518



41.6394, 0.4097, 0.3225



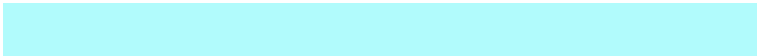
41.6394, 0.4220, 0.3961

Sweetspot

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



41.6409, 0.2234, 0.3241



85.5478, 0.2692, 0.3276



39.0216, 0.3000, 0.5998



18.4481, 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.



41.6409, 0.2234, 0.3241



74.5560, 0.2233, 0.3240



12.6317, 0.1772, 0.1576



11.4012, 0.2984, 0.3286



27.0811, 0.2234, 0.3242



1.1787, 0.2237, 0.3252

Inverse Universe

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



15.4155, 0.3248, 0.1564



27.5937, 0.3248, 0.1563



20.2887, 0.5407, 0.4086



10.2448, 0.3140, 0.3067



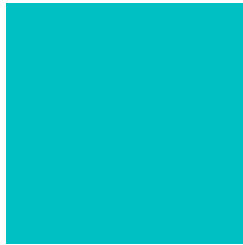
10.0161, 0.3247, 0.1562



0.4336, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 41.6394, 0.2234, 0.3241 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 41.6394, 0.2234, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

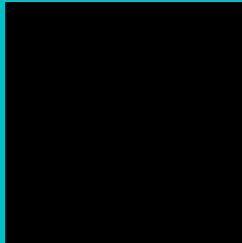
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

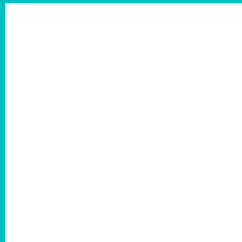
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6394, 0.2234, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 41.6394, 0.2234, 0.3241.

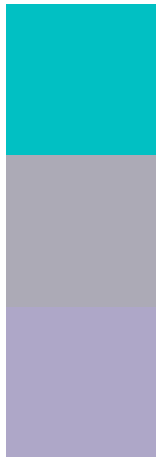


This preview shows how white text looks on a background with the Yxy color 41.6394, 0.2234, 0.3241.

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

41.6459, 0.2234, 0.3241

Protanopia

40.8975, 0.3046, 0.3127

Deuteranopia

40.8062, 0.2920, 0.2857



Tritanopia

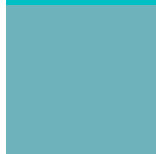
41.5902, 0.2208, 0.3045

Trichromacy



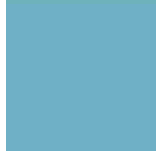
Original Color

41.6459, 0.2234, 0.3241



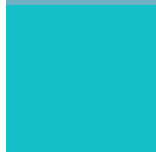
Protanomaly

38.7436, 0.2548, 0.3152



Deuteranomaly

38.5074, 0.2484, 0.2963



Tritanomaly

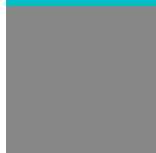
41.6853, 0.2215, 0.3119

Monochromacy



Original Color

41.6459, 0.2234, 0.3241



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.1897, 0.2531, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6394, 0.2234, 0.3241 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, 192, 195)` looks like.

```
.text, #text, p{  
    color:rgb(1, 192, 195)  
}
```

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, 192, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 192, 195) }
```

Border

The CSS property to change the border of an element to Yxy 41.6394, 0.2234, 0.3241 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, 192, 195) }
```

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

```
.border{ border-color:rgb(1, 192, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 192, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 192, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 192, 195);  
box-shadow:4px 4px 4px 4px rgb(1, 192,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6394, 0.2234, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 192, 195) }
```

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

```
.background{ background-color: rgb(1, 192,  
195) }
```

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