

Converting Colors

$Y_{xy}(34.6226, 0.2331, 0.3590)$

Have a look what the booklet for
Yxy(34.6226, 0.2331, 0.3590)
contains.

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Color

Yxy(34.4140, 0.2330, 0.3587)

Conversions

Conversions Part 1

Format	Color
Hex	00B2A1
RGB	0, 178, 161
RGB Percent	0%, 70%, 63%
CMY	0.9989, 0.3020, 0.3687
CMYK	1.00, 0.00, 0.10, 0.30
HSL	174°, 100%, 35%
HSV	174°, 100%, 70%
XYZ	22.3542, 34.4140, 39.1727
YIQ	122.8400, -100.6310, -43.0230

Conversions

Conversions Part 2

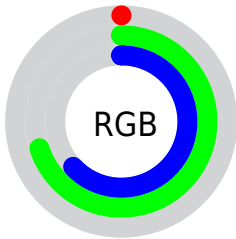
Format	Color
RYB	0, 93, 178
Decimal	45729
CIELab	65.29, -41.75, -2.09
CIELCh	65, 41.806, 182.866
Yxy	34.4140, 0.2330, 0.3587
Android (android.graphics.Color)	4278235809 (0xFF00B2A1)
YUV	122.8400, 18.8129, -107.7307
Hunter-Lab	58.6634, -34.6420, 1.4734

Details

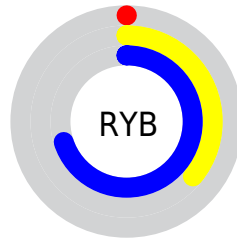
The Yxy color **34.4140, 0.2330, 0.3587** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.5125, 0.6284, 0.3237**, and the grayscale version is **19.7416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3449, 0.2481, 0.3521**, and **15.5411, 0.2342, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **34.4126, 0.2330, 0.3588**, and if you desaturate by 10%, it is **34.6034, 0.2338, 0.3555**.

Distribution



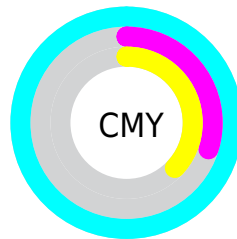
- Red (0%)
- Green (70%)
- Blue (63%)



- Red (0%)
- Yellow (36%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4140, 0.2330, 0.3587 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 34.4140, 0.2330, 0.3587 by changing the saturation by 10% instead.

 34.4140, 0.2330,
0.3587


 34.4140, 0.2330,
0.3587


321.9741, 0.2743,
0.3436


 23.2118, 0.2223,
0.3625


 66.5770, 0.2483,
0.3532


 14.7500, 0.2084,
0.3674


 88.3065, 0.2539,
0.3511

 8.6441, 0.1896,
0.3738


 114.3140, 0.2587,
0.3494

 4.5098, 0.1631,
0.3826

 144.9838, 0.2627,
0.3479

 1.9626, 0.1192,
0.3967

 180.7004, 0.2662,
0.3466

 0.5856, 0.0000,
0.4276

 221.8480, 0.2692,

 0.0000, 0.0000,

0.3455

0.0000

268.8111, 0.2719,
0.3445

■ 34.4140, 0.2330,
0.3587

■ 34.4140, 0.2330,
0.3587

■ 34.4126, 0.2330,
0.3588

■ 34.6034, 0.2338,
0.3555

■ 34.9083, 0.2359,
0.3523

■ 35.3730, 0.2399,
0.3490

■ 36.0184, 0.2458,
0.3458

■ 36.8622, 0.2535,
0.3426

■ 37.9199, 0.2629,
0.3395

■ 39.2056, 0.2738,
0.3366

■ 40.7321, 0.2860,
0.3338

■ 42.5113, 0.2991,
0.3313

Harmonies

Analogous

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



34.4140, 0.2851, 0.4200



34.4140, 0.2330, 0.3587



34.4140, 0.2036, 0.2941

Triad

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



34.4140, 0.2330, 0.3587



34.4140, 0.2683, 0.2338



34.4140, 0.4377, 0.3928

Complementary

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



34.4140, 0.2330, 0.3587



9.5125, 0.6284, 0.3237

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.



34.4140, 0.4355, 0.3440



34.4140, 0.2330, 0.3587



34.4140, 0.3313, 0.2575

Square

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



34.4140, 0.2330, 0.3587



34.4140, 0.2225, 0.2300



34.4140, 0.3950, 0.2965



34.4140, 0.4041, 0.4328

Rectangle

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



34.4140, 0.2330, 0.3587



34.4140, 0.1986, 0.2615



34.4140, 0.3950, 0.2965



34.4140, 0.4414, 0.3769

Sweetspot

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



34.4153, 0.2330, 0.3587



70.9256, 0.2730, 0.3368



31.9707, 0.3025, 0.5979



15.4894, 0.2684, 0.3380



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.4153, 0.2330, 0.3587



62.3859, 0.2331, 0.3593



13.7131, 0.1870, 0.1930



9.6172, 0.2998, 0.3312



24.6275, 0.2329, 0.3584



0.7789, 0.2304, 0.3494

Inverse Universe

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



9.5125, 0.6284, 0.3237



17.2230, 0.6310, 0.3250



14.0189, 0.5688, 0.3864



8.5181, 0.3272, 0.3269



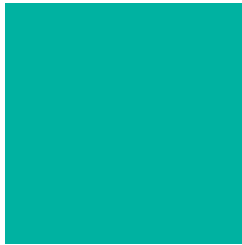
6.8058, 0.6271, 0.3228



0.2184, 0.5806, 0.2972

Previews

White Background



This preview shows how the Yxy color 34.4140, 0.2330, 0.3587 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 34.4140, 0.2330, 0.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

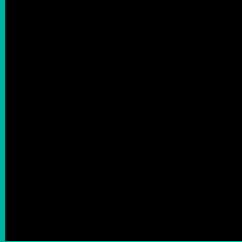
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4140, 0.2330, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 34.4140, 0.2330, 0.3587.

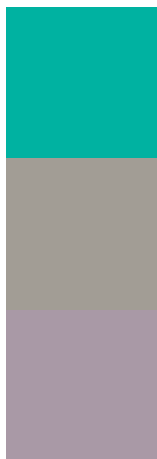


This preview shows how white text looks on a background with the Yxy color 34.4140, 0.2330, 0.3587.

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

34.4140, 0.2330, 0.3587

Protanopia

33.9653, 0.3250, 0.3409

Deuteranopia

33.9707, 0.3166, 0.3105



Tritanopia

34.4608, 0.2245, 0.3059

Trichromacy



Original Color

34.4140, 0.2330, 0.3587



Protanomaly

32.0937, 0.2698, 0.3492



Deuteranomaly

31.7091, 0.2650, 0.3256



Tritanomaly

34.1355, 0.2264, 0.3237

Monochromacy



Original Color

34.4140, 0.2330, 0.3587



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.0708, 0.2580, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4140, 0.2330, 0.3587 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, 178, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 161)  
}
```

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, 178, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 161) }
```

Border

The CSS property to change the border of an element to Yxy 34.4140, 0.2330, 0.3587 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, 178, 161) }
```

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

```
.border{ border-color:rgb(0, 178, 161) }
```

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

Here you see how a box with a 4 pixel rgb(0, 178, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4140, 0.2330, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 161) }
```

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

```
.background{ background-color: rgb(0, 178,  
161) }
```

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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