

Converting Colors

$Y_{xy}(29.6195, 0.2021, 0.3353)$

Have a look what the booklet for
Yxy(29.6195, 0.2021, 0.3353)
contains.

Yxy(31.5026, 0.2266, 0.3359)	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(31.5026, 0.2266, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	00AAA6
RGB	0, 170, 166
RGB Percent	0%, 67%, 65%
CMY	1.0000, 0.3333, 0.3491
CMYK	1.00, 0.00, 0.02, 0.33
HSL	179°, 100%, 33%
HSV	179°, 100%, 67%
XYZ	21.2518, 31.5026, 41.0312
YIQ	118.7140, -100.0360, -37.2840

Conversions

Conversions Part 2

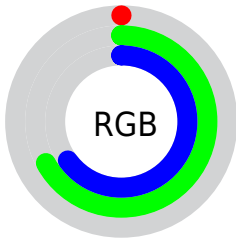
Format	Color
RYB	0, 86, 170
Decimal	43686
CIELab	62.93, -36.74, -8.37
CIELCh	63, 37.682, 192.841
Yxy	31.5026, 0.2266, 0.3359
Android (android.graphics.Color)	4278233766 (0xFF00AAA6)
YUV	118.7140, 23.3120, -104.1122
Hunter-Lab	56.1272, -30.6358, -4.0543

Details

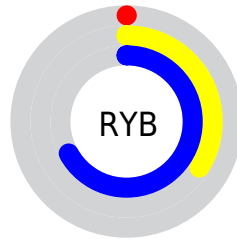
The Yxy color **31.5026, 0.2266, 0.3359** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.5563, 0.6373, 0.3284**, and the grayscale version is **18.3035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1000, 0.2434, 0.3353**, and **13.9375, 0.2267, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **31.5070, 0.2266, 0.3359**, and if you desaturate by 10%, it is **31.6410, 0.2280, 0.3352**.

Distribution



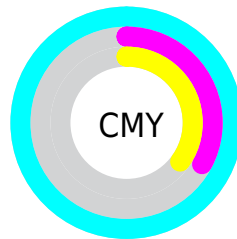
- Red (0%)
- Green (67%)
- Blue (65%)



- Red (0%)
- Yellow (34%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5026, 0.2266, 0.3359 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 31.5026, 0.2266, 0.3359 by changing the saturation by 10% instead.


 31.5026, 0.2266,
0.3359


 31.5026, 0.2266,
0.3359


 308.8472, 0.2713,
0.3334


 20.9819, 0.2150,
0.3361


 62.0305, 0.2432,
0.3353

 13.1107, 0.1999,
0.3361


 82.8065, 0.2493,
0.3350


 7.5049, 0.1795,
0.3354


 107.7696, 0.2545,
0.3347

 3.7798, 0.1508,
0.3331

 137.3044, 0.2588,
0.3344

 1.5512, 0.0985,
0.3297

 171.7951, 0.2626,
0.3341

 0.3243, 0.0000,
0.2568

 211.6262, 0.2659,

 0.0000, 0.0000,

0.3339

0.0000

257.1821, 0.2688,
0.3336

■ 31.5026, 0.2266,
0.3359

■ 31.5026, 0.2266,
0.3359

■ 31.5070, 0.2266,
0.3359

■ 31.6410, 0.2280,
0.3352

■ 31.8768, 0.2307,
0.3344

■ 32.2554, 0.2352,
0.3337

■ 32.7956, 0.2415,
0.3329

■ 33.5130, 0.2497,
0.3322

■ 34.4217, 0.2596,
0.3315

■ 35.5341, 0.2712,
0.3308

■ 36.8617, 0.2840,
0.3301

■ 38.4152, 0.2980,
0.3295

Harmonies

Analogous

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



31.5026, 0.2694, 0.3964



31.5026, 0.2266, 0.3359



31.5026, 0.2068, 0.2806

Triad

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



31.5026, 0.2266, 0.3359



31.5026, 0.2898, 0.2452



31.5026, 0.4221, 0.4033

Complementary

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



31.5026, 0.2266, 0.3359



8.5563, 0.6373, 0.3284

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.



31.5026, 0.4316, 0.3592



31.5026, 0.2266, 0.3359



31.5026, 0.3509, 0.2730

Square

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



31.5026, 0.2266, 0.3359



31.5026, 0.2404, 0.2352



31.5026, 0.4049, 0.3132



31.5026, 0.3825, 0.4337

Rectangle

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



31.5026, 0.2266, 0.3359



31.5026, 0.2074, 0.2550



31.5026, 0.4049, 0.3132



31.5026, 0.4291, 0.3894

Sweetspot

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



31.5070, 0.2266, 0.3359



64.3426, 0.2705, 0.3308



28.7908, 0.3008, 0.5994



14.1560, 0.2656, 0.3311



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.5070, 0.2266, 0.3359



57.1519, 0.2267, 0.3360



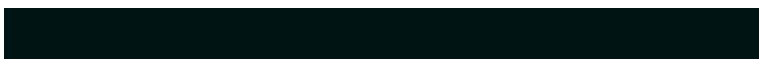
10.3292, 0.1806, 0.1700



8.5289, 0.2990, 0.3295



23.1743, 0.2266, 0.3358



0.5648, 0.2259, 0.3333

Inverse Universe

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



8.5563, 0.6373, 0.3284



15.5174, 0.6381, 0.3289



14.1885, 0.5495, 0.4019



7.5451, 0.3282, 0.3285



6.2942, 0.6368, 0.3282



0.1540, 0.6221, 0.3201

Previews

White Background



This preview shows how the Yxy color 31.5026, 0.2266, 0.3359 looks on a white background.

Color Contrast Check

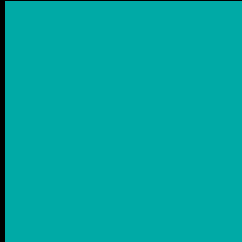
Large Text (above 18pt) WCAG AA × Fail

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 31.5026, 0.2266, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

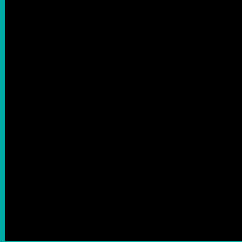
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5026, 0.2266, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 31.5026, 0.2266, 0.3359.

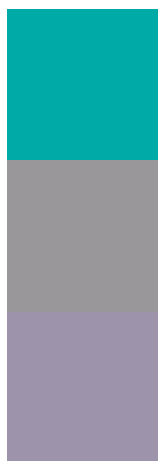


This preview shows how white text looks on a background with the Yxy color 31.5026, 0.2266, 0.3359.

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

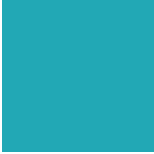
31.5026, 0.2266, 0.3359

Protanopia

31.2386, 0.3119, 0.3244

Deuteranopia

30.9758, 0.3004, 0.2936



Tritanopia

31.6815, 0.2227, 0.3067

Trichromacy



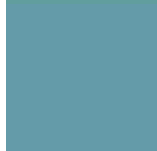
Original Color

31.5026, 0.2266, 0.3359



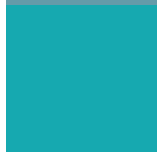
Protanomaly

29.4637, 0.2604, 0.3288



Deuteranomaly

29.0166, 0.2540, 0.3054



Tritanomaly

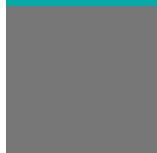
31.6811, 0.2234, 0.3167

Monochromacy



Original Color

31.5026, 0.2266, 0.3359



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.4910, 0.2557, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5026, 0.2266, 0.3359 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, 170, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 166)  
}
```

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, 170, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 166) }
```

Border

The CSS property to change the border of an element to Yxy 31.5026, 0.2266, 0.3359 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, 170, 166) }
```

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

```
.border{ border-color:rgb(0, 170, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5026, 0.2266, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 166) }
```

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

```
.background{ background-color: rgb(0, 170,  
166) }
```

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