

Converting Colors

$Y_{xy}(29.5020, 0.2018, 0.3389)$

Have a look what the booklet for
Yxy(29.5020, 0.2018, 0.3389)
contains.

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Color

Yxy(31.4298, 0.2276, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	00AAA4
RGB	0, 170, 164
RGB Percent	0%, 67%, 64%
CMY	1.0000, 0.3333, 0.3569
CMYK	1.00, 0.00, 0.04, 0.33
HSL	178°, 100%, 33%
HSV	178°, 100%, 67%
XYZ	21.0705, 31.4298, 40.0765
YIQ	118.4860, -99.3940, -37.9060

Conversions

Conversions Part 2

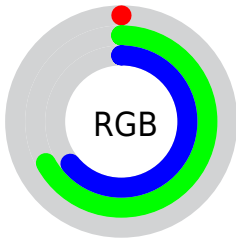
Format	Color
RYB	0, 87, 170
Decimal	43684
CIELab	62.87, -37.34, -7.35
CIELCh	63, 38.059, 191.135
Yxy	31.4298, 0.2276, 0.3395
Android (android.graphics.Color)	4278233764 (0xFF00AAA4)
YUV	118.4860, 22.4384, -103.9122
Hunter-Lab	56.0623, -31.0215, -3.1402

Details

The Yxy color **31.4298, 0.2276, 0.3395** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.5606, 0.6360, 0.3277**, and the grayscale version is **18.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9401, 0.2439, 0.3380**, and **13.8924, 0.2282, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **31.4342, 0.2276, 0.3395**, and if you desaturate by 10%, it is **31.5751, 0.2289, 0.3384**.

Distribution



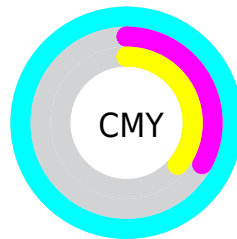
- Red (0%)
- Green (67%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4298, 0.2276, 0.3395 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 31.4298, 0.2276, 0.3395 by changing the saturation by 10% instead.


 31.4298, 0.2276,
0.3395

 31.4298, 0.2276,
0.3395


 308.5135, 0.2719,
0.3350

 20.9263, 0.2161,
0.3403


 61.9161, 0.2441,
0.3381


 13.0702, 0.2010,
0.3410


 82.6678, 0.2501,
0.3375

 7.4769, 0.1807,
0.3415


 107.6043, 0.2552,
0.3370

 3.7621, 0.1520,
0.3408

 137.1101, 0.2596,
0.3365

 1.5414, 0.0979,
0.3409

 171.5695, 0.2633,
0.3361

 0.3176, 0.0000,
0.2698

 211.3669, 0.2665,

 0.0000, 0.0000,

0.3357

0.0000

256.8868, 0.2694,
0.3353

■ 31.4298, 0.2276,
0.3395

■ 31.4298, 0.2276,
0.3395

■ 31.4342, 0.2276,
0.3395

■ 31.5751, 0.2289,
0.3384

■ 31.8180, 0.2316,
0.3372

■ 32.2037, 0.2359,
0.3361

■ 32.7510, 0.2422,
0.3350

■ 33.4757, 0.2503,
0.3338

■ 34.3916, 0.2602,
0.3328

■ 35.5113, 0.2716,
0.3317

■ 36.8464, 0.2843,
0.3307

■ 38.4073, 0.2981,
0.3298

Harmonies

Analogous

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



31.4298, 0.2719, 0.4003



31.4298, 0.2276, 0.3395



31.4298, 0.2063, 0.2827

Triad

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



31.4298, 0.2276, 0.3395



31.4298, 0.2863, 0.2434



31.4298, 0.4247, 0.4016

Complementary

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



31.4298, 0.2276, 0.3395



8.5606, 0.6360, 0.3277

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.



31.4298, 0.4323, 0.3567



31.4298, 0.2276, 0.3395



31.4298, 0.3477, 0.2704

Square

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



31.4298, 0.2276, 0.3395



31.4298, 0.2374, 0.2343



31.4298, 0.4034, 0.3105



31.4298, 0.3861, 0.4337

Rectangle

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



31.4298, 0.2276, 0.3395



31.4298, 0.2060, 0.2560



31.4298, 0.4034, 0.3105



31.4298, 0.4312, 0.3874

Sweetspot

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



31.4342, 0.2276, 0.3395



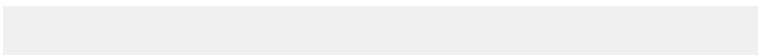
64.3013, 0.2709, 0.3318



28.8088, 0.3012, 0.5991



14.1455, 0.2661, 0.3322



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.



31.4342, 0.2276, 0.3395



57.0181, 0.2277, 0.3397



10.8207, 0.1822, 0.1757



8.5274, 0.2992, 0.3298



23.1216, 0.2276, 0.3394



0.5639, 0.2266, 0.3356

Inverse Universe

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



8.5606, 0.6360, 0.3277



15.5231, 0.6371, 0.3283



13.7862, 0.5543, 0.3980



7.5464, 0.3280, 0.3282



6.2980, 0.6352, 0.3273



0.1545, 0.6137, 0.3154

Previews

White Background



This preview shows how the Yxy color 31.4298, 0.2276, 0.3395 looks on a white background.

Color Contrast Check

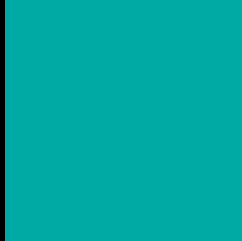
Large Text (above 18pt) WCAG AA × Fail

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 31.4298, 0.2276, 0.3395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

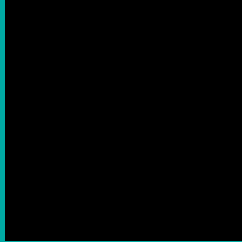
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4298, 0.2276, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 31.4298, 0.2276, 0.3395.

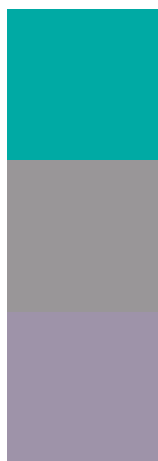


This preview shows how white text looks on a background with the Yxy color 31.4298, 0.2276, 0.3395.

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

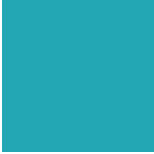
31.4298, 0.2276, 0.3395

Protanopia

30.8520, 0.3139, 0.3259

Deuteranopia

31.0011, 0.3032, 0.2965



Tritanopia

31.3487, 0.2226, 0.3050

Trichromacy



Original Color

31.4298, 0.2276, 0.3395



Protanomaly

29.0556, 0.2615, 0.3306



Deuteranomaly

28.9994, 0.2561, 0.3087



Tritanomaly

31.2826, 0.2236, 0.3166

Monochromacy



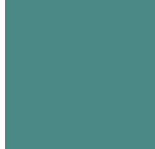
Original Color

31.4298, 0.2276, 0.3395



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.1364, 0.2554, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4298, 0.2276, 0.3395 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 164) }
```

Border

The CSS property to change the border of an element to Yxy 31.4298, 0.2276, 0.3395 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, 164) }
```

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

```
.border{ border-color:rgb(0, 170, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4298, 0.2276, 0.3395 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, 164) }
```

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

```
.background{ background-color: rgb(0, 170,  
164) }
```

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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