

Converting Colors

$Y_{xy}(25.9610, 0.1287, 0.3646)$

Have a look what the booklet for
Yxy(25.9610, 0.1287, 0.3646)
contains.

Yxy(31.9053, 0.2327, 0.3578)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9053, 0.2327, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	00AC9C
RGB	0, 172, 156
RGB Percent	0%, 67%, 61%
CMY	1.0000, 0.3255, 0.3882
CMYK	1.00, 0.00, 0.09, 0.33
HSL	174°, 100%, 34%
HSV	174°, 100%, 67%
XYZ	20.7500, 31.9053, 36.5154
YIQ	118.7480, -97.3760, -41.4400

Conversions

Conversions Part 2

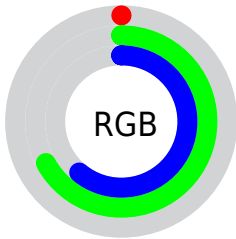
Format	Color
RYB	0, 90, 172
Decimal	44188
CIELab	63.26, -40.59, -2.29
CIELCh	63, 40.655, 183.229
Yxy	31.9053, 0.2327, 0.3578
Android (android.graphics.Color)	4278234268 (0xFF00AC9C)
YUV	118.7480, 18.3652, -104.1420
Hunter-Lab	56.4848, -33.2753, 1.2104

Details

The Yxy color **31.9053, 0.2327, 0.3578** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.8090, 0.6288, 0.3238**, and the grayscale version is **18.3294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5728, 0.2486, 0.3527**, and **14.2136, 0.2346, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **31.9084, 0.2327, 0.3578**, and if you desaturate by 10%, it is **32.0840, 0.2335, 0.3547**.

Distribution



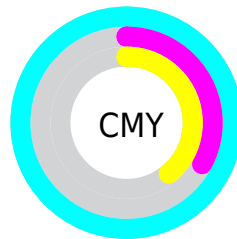
- Red (0%)
- Green (67%)
- Blue (61%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9053, 0.2327, 0.3578 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 31.9053, 0.2327, 0.3578 by changing the saturation by 10% instead.


 31.9053, 0.2327,
0.3578

 31.9053, 0.2327,
0.3578


 310.6876, 0.2746,
0.3430

 21.2892, 0.2217,
0.3616


 62.6626, 0.2484,
0.3524

 13.3355, 0.2072,
0.3664


 83.5726, 0.2541,
0.3503

 7.6600, 0.1875,
0.3728


 108.6826, 0.2589,
0.3486

 3.8782, 0.1593,
0.3816

 138.3771, 0.2630,
0.3472

 1.6057, 0.1010,
0.4006

 173.0405, 0.2665,
0.3459

 0.3614, 0.0000,
0.3950

 213.0571, 0.2696,

 0.0000, 0.0000,

0.3448

0.0000

258.8113, 0.2722,
0.3439

■ 31.9053, 0.2327,
0.3578

■ 31.9053, 0.2327,
0.3578

■ 31.9084, 0.2327,
0.3578

■ 32.0840, 0.2335,
0.3547

■ 32.3653, 0.2357,
0.3516

■ 32.7939, 0.2397,
0.3484

■ 33.3892, 0.2456,
0.3453

■ 34.1672, 0.2533,
0.3422

■ 35.1425, 0.2627,
0.3392

■ 36.3279, 0.2736,
0.3364

■ 37.7352, 0.2858,
0.3337

■ 39.3754, 0.2989,
0.3313

Harmonies

Analogous

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



31.9053, 0.2844, 0.4192



31.9053, 0.2327, 0.3578



31.9053, 0.2037, 0.2935

Triad

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



31.9053, 0.2327, 0.3578



31.9053, 0.2691, 0.2342



31.9053, 0.4371, 0.3932

Complementary

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



31.9053, 0.2327, 0.3578



8.8090, 0.6288, 0.3238

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.



31.9053, 0.4354, 0.3446



31.9053, 0.2327, 0.3578



31.9053, 0.3321, 0.2581

Square

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



31.9053, 0.2327, 0.3578



31.9053, 0.2232, 0.2301



31.9053, 0.3954, 0.2971



31.9053, 0.4033, 0.4329

Rectangle

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



31.9053, 0.2327, 0.3578



31.9053, 0.1989, 0.2612



31.9053, 0.3954, 0.2971



31.9053, 0.4410, 0.3774

Sweetspot

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



31.9084, 0.2327, 0.3578



65.7717, 0.2730, 0.3365



29.6292, 0.3025, 0.5980



14.0950, 0.2684, 0.3377



86.8899, 0.3127, 0.3290



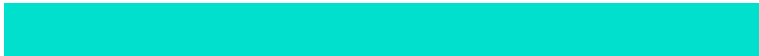
16.2647, 0.3127, 0.3290

Same Dimension

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



31.9084, 0.2327, 0.3578



57.8628, 0.2329, 0.3583



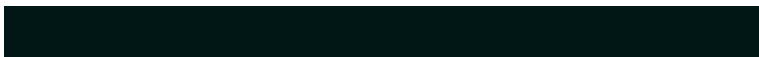
12.7202, 0.1870, 0.1931



9.0590, 0.2998, 0.3311



23.7469, 0.2326, 0.3575



0.6643, 0.2300, 0.3480

Inverse Universe

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



8.8090, 0.6288, 0.3238



15.9650, 0.6311, 0.3250



13.0037, 0.5688, 0.3866



8.0270, 0.3272, 0.3269



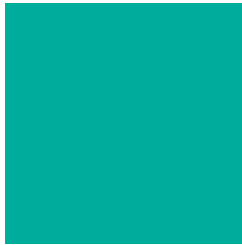
6.5585, 0.6273, 0.3229



0.1863, 0.5792, 0.2964

Previews

White Background



This preview shows how the Yxy color 31.9053, 0.2327, 0.3578 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 31.9053, 0.2327, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

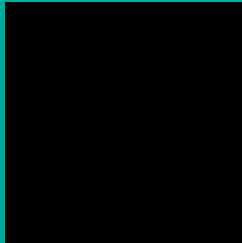
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9053, 0.2327, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 31.9053, 0.2327, 0.3578.

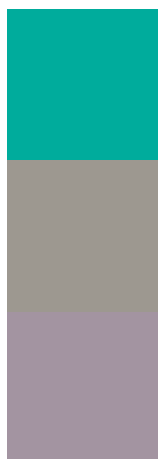


This preview shows how white text looks on a background with the Yxy color 31.9053, 0.2327, 0.3578.

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

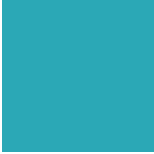
31.9053, 0.2327, 0.3578

Protanopia

31.6382, 0.3254, 0.3413

Deuteranopia

31.5395, 0.3157, 0.3099



Tritanopia

31.8963, 0.2243, 0.3052

Trichromacy



Original Color

31.9053, 0.2327, 0.3578



Protanomaly

29.6437, 0.2700, 0.3481



Deuteranomaly

29.5602, 0.2645, 0.3255



Tritanomaly

31.6261, 0.2257, 0.3218

Monochromacy



Original Color

31.9053, 0.2327, 0.3578



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.3794, 0.2589, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9053, 0.2327, 0.3578 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, 172, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 156)  
}
```

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, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 156) }
```

Border

The CSS property to change the border of an element to Yxy 31.9053, 0.2327, 0.3578 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, 172, 156) }
```

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

```
.border{ border-color:rgb(0, 172, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9053, 0.2327, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 156) }
```

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

```
.background{ background-color: rgb(0, 172,  
156) }
```

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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