

Converting Colors

$Yxy(29.0373, 0.2234, 0.3243)$

Have a look what the booklet for
Yxy(29.0373, 0.2234, 0.3243)
contains.

Yxy(28.9476, 0.2231, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(28.9476, 0.2231, 0.3233)$

Conversions

Conversions Part 1

Format	Color
Hex	00A3A6
RGB	0, 163, 166
RGB Percent	0%, 64%, 65%
CMY	1.0000, 0.3607, 0.3490
CMYK	1.00, 0.02, 0.00, 0.35
HSL	181°, 100%, 33%
HSV	181°, 100%, 65%
XYZ	19.9759, 28.9476, 40.6144
YIQ	114.6050, -98.1110, -33.6230

Conversions

Conversions Part 2

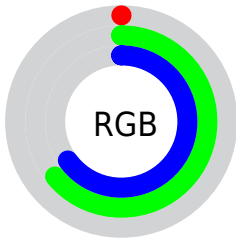
Format	Color
RYB	0, 82, 166
Decimal	41894
CIELab	60.74, -33.48, -11.67
CIElCh	61, 35.455, 199.212
Yxy	28.9476, 0.2231, 0.3233
Android (android.graphics.Color)	4278231974 (0xFF00A3A6)
YUV	114.6050, 25.3377, -100.5086
Hunter-Lab	53.8030, -27.8819, -7.0943

Details

The Yxy color **28.9476, 0.2231, 0.3233** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1729, 0.6386, 0.3312**, and the grayscale version is **16.9653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7429, 0.2404, 0.3248**, and **12.5838, 0.2225, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **28.9518, 0.2231, 0.3233**, and if you desaturate by 10%, it is **29.1739, 0.2249, 0.3239**.

Distribution



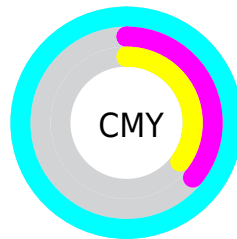
- Red (0%)
- Green (64%)
- Blue (65%)



- Red (0%)
- Yellow (32%)
- Blue (65%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9476, 0.2231, 0.3233 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 28.9476, 0.2231, 0.3233 by changing the saturation by 10% instead.


 28.9476, 0.2231,
0.3233


 28.9476, 0.2231,
0.3233

296.9676, 0.2700,
0.3278


 19.0412, 0.2108,
0.3215


 57.9938, 0.2406,
0.3254


 11.7000, 0.1948,
0.3187


 77.9024, 0.2470,
0.3260


 6.5398, 0.1730,
0.3140


 101.9139, 0.2524,
0.3265

 3.1760, 0.1423,
0.3054

 130.4126, 0.2570,
0.3269

 1.2243, 0.0751,
0.2943

 163.7829, 0.2610,
0.3272

 0.0814, 0.0000,
0.0826

 202.4092, 0.2644,

 0.0000, 0.0000,

0.3275

0.0000

246.6760, 0.2674,
0.3276

■ 28.9476, 0.2231,
0.3233

■ 28.9476, 0.2231,
0.3233

■ 28.9518, 0.2231,
0.3233

■ 29.1739, 0.2249,
0.3239

■ 29.4919, 0.2280,
0.3245

■ 29.9454, 0.2328,
0.3251

■ 30.5519, 0.2395,
0.3257

■ 31.3264, 0.2481,
0.3263

■ 32.2819, 0.2584,
0.3269

■ 33.4302, 0.2702,
0.3274

■ 34.7822, 0.2834,
0.3280

■ 36.3480, 0.2977,
0.3285

Harmonies

Analogous

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



28.9476, 0.2604, 0.3826



28.9476, 0.2231, 0.3233



28.9476, 0.2089, 0.2733

Triad

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



28.9476, 0.2231, 0.3233



28.9476, 0.3027, 0.2520



28.9476, 0.4127, 0.4091

Complementary

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



28.9476, 0.2231, 0.3233



8.1729, 0.6386, 0.3312

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.



28.9476, 0.4288, 0.3682



28.9476, 0.2231, 0.3233



28.9476, 0.3621, 0.2821

Square

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



28.9476, 0.2231, 0.3233



28.9476, 0.2513, 0.2383



28.9476, 0.4101, 0.3231



28.9476, 0.3699, 0.4334

Rectangle

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



28.9476, 0.2231, 0.3233



28.9476, 0.2128, 0.2515



28.9476, 0.4101, 0.3231



28.9476, 0.4216, 0.3966

Sweetspot

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



28.9518, 0.2231, 0.3233



60.5404, 0.2695, 0.3274



27.2815, 0.2997, 0.5988



13.3507, 0.2646, 0.3272



84.8088, 0.3127, 0.3290



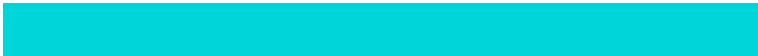
15.4872, 0.3127, 0.3290

Same Dimension

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



28.9518, 0.2231, 0.3233



52.5032, 0.2231, 0.3232



8.5256, 0.1760, 0.1536



8.5085, 0.2987, 0.3285



22.4561, 0.2232, 0.3234



0.5534, 0.2237, 0.3253

Inverse Universe

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



10.7526, 0.3254, 0.1566



19.5092, 0.3255, 0.1567



14.7269, 0.5347, 0.4136



7.6643, 0.3140, 0.3071



8.3380, 0.3254, 0.1566



0.2036, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 28.9476, 0.2231, 0.3233 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9476, 0.2231, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

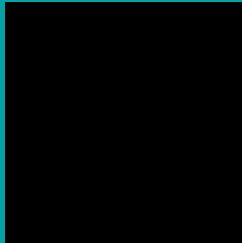
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9476, 0.2231, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 28.9476, 0.2231, 0.3233.

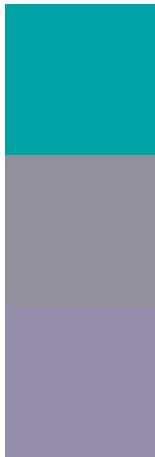


This preview shows how white text looks on a background with the Yxy color 28.9476, 0.2231, 0.3233.

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

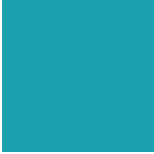
28.9476, 0.2231, 0.3233

Protanopia

28.7283, 0.3042, 0.3133

Deuteranopia

28.5822, 0.2914, 0.2849



Tritanopia

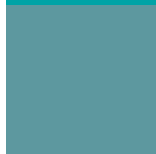
29.1554, 0.2212, 0.3059

Trichromacy



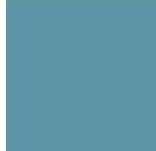
Original Color

28.9476, 0.2231, 0.3233



Protanomaly

27.2868, 0.2552, 0.3166



Deuteranomaly

27.0569, 0.2484, 0.2963



Tritanomaly

28.9384, 0.2213, 0.3109

Monochromacy



Original Color

28.9476, 0.2231, 0.3233



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.6402, 0.2530, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9476, 0.2231, 0.3233 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, 163, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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, 163, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 166) }
```

Border

The CSS property to change the border of an element to Yxy 28.9476, 0.2231, 0.3233 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, 163, 166) }
```

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

```
.border{ border-color:rgb(0, 163, 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, 163, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9476, 0.2231, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 166) }
```

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

```
.background{ background-color: rgb(0, 163,  
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