

Converting Colors

$Yxy(29.0423, 0.2330, 0.3588)$

Have a look what the booklet for
Yxy(29.0423, 0.2330, 0.3588)
contains.

Yxy(29.0802, 0.2331, 0.3590)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.0802, 0.2331, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	00A595
RGB	0, 165, 149
RGB Percent	0%, 65%, 58%
CMY	0.9984, 0.3529, 0.4158
CMYK	1.00, 0.00, 0.10, 0.35
HSL	174°, 100%, 32%
HSV	174°, 100%, 65%
XYZ	18.8819, 29.0802, 33.0413
YIQ	113.8410, -93.2040, -39.9560

Conversions

Conversions Part 2

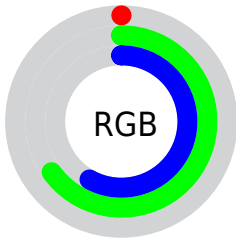
Format	Color
RYB	0, 87, 165
Decimal	42389
CIELab	60.85, -39.51, -1.89
CIELCh	61, 39.559, 182.745
Yxy	29.0802, 0.2331, 0.3590
Android (android.graphics.Color)	4278232469 (0xFF00A595)
YUV	113.8410, 17.3334, -99.8386
Hunter-Lab	53.9261, -31.8699, 1.4204

Details

The Yxy color **29.0802, 0.2331, 0.3590** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0465, 0.6272, 0.3231**, and the grayscale version is **16.7817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3519, 0.2492, 0.3534**, and **12.4702, 0.2352, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **29.0775, 0.2331, 0.3591**, and if you desaturate by 10%, it is **29.2486, 0.2340, 0.3557**.

Distribution



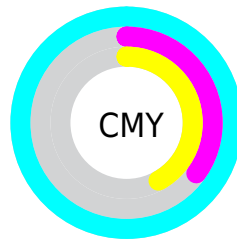
- Red (0%)
- Green (65%)
- Blue (58%)



- Red (0%)
- Yellow (34%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0802, 0.2331, 0.3590 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 29.0802, 0.2331, 0.3590 by changing the saturation by 10% instead.

 29.0802, 0.2331,
0.3590


 29.0802, 0.2331,
0.3590


297.5932, 0.2754,
0.3433


 19.1415, 0.2217,
0.3631


 58.2045, 0.2491,
0.3532

 11.7726, 0.2066,
0.3685


 78.1589, 0.2549,
0.3510


 6.5890, 0.1858,
0.3757


 102.2206, 0.2598,
0.3492

 3.2064, 0.1555,
0.3858

 130.7740, 0.2639,
0.3477

 1.2404, 0.0603,
0.4218

 164.2036, 0.2674,
0.3464

 0.0944, 0.0000,
0.2863

 202.8938, 0.2704,

 0.0000, 0.0000,

0.3452

0.0000

247.2288, 0.2731,
0.3442

■ 29.0802, 0.2331,
0.3590

■ 29.0802, 0.2331,
0.3590

■ 29.0775, 0.2331,
0.3591

■ 29.2486, 0.2340,
0.3557

■ 29.5127, 0.2362,
0.3525

■ 29.9114, 0.2403,
0.3492

■ 30.4618, 0.2462,
0.3459

■ 31.1785, 0.2539,
0.3427

■ 32.0745, 0.2633,
0.3396

■ 33.1614, 0.2742,
0.3366

■ 34.4497, 0.2863,
0.3339

■ 35.9494, 0.2993,
0.3313

Harmonies

Analogous

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



29.0802, 0.2853, 0.4203



29.0802, 0.2331, 0.3590



29.0802, 0.2036, 0.2943

Triad

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



29.0802, 0.2331, 0.3590



29.0802, 0.2680, 0.2337



29.0802, 0.4379, 0.3927

Complementary

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



29.0802, 0.2331, 0.3590



8.0465, 0.6272, 0.3231

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.



29.0802, 0.4355, 0.3438



29.0802, 0.2331, 0.3590



29.0802, 0.3311, 0.2574

Square

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



29.0802, 0.2331, 0.3590



29.0802, 0.2223, 0.2299



29.0802, 0.3948, 0.2962



29.0802, 0.4043, 0.4328

Rectangle

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



29.0802, 0.2331, 0.3590



29.0802, 0.1985, 0.2616



29.0802, 0.3948, 0.2962



29.0802, 0.4415, 0.3767

Sweetspot

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



29.0813, 0.2331, 0.3590



59.2241, 0.2733, 0.3369



27.0283, 0.3026, 0.5977



12.7711, 0.2688, 0.3380



82.7571, 0.3127, 0.3290



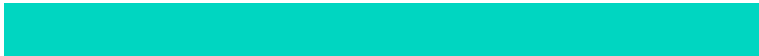
14.7319, 0.3127, 0.3290

Same Dimension

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



29.0813, 0.2331, 0.3590



52.0603, 0.2332, 0.3597



11.6730, 0.1873, 0.1939



7.9993, 0.3000, 0.3312



22.0021, 0.2330, 0.3588



0.4655, 0.2297, 0.3469

Inverse Universe

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



8.0465, 0.6272, 0.3231



14.3798, 0.6302, 0.3245



11.9245, 0.5676, 0.3872



7.0966, 0.3270, 0.3268



6.0837, 0.6262, 0.3223



0.1310, 0.5708, 0.2918

Previews

White Background



This preview shows how the Yxy color 29.0802, 0.2331, 0.3590 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 29.0802, 0.2331, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

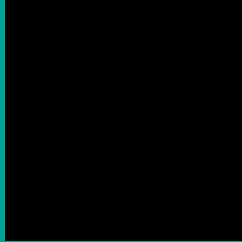
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0802, 0.2331, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 29.0802, 0.2331, 0.3590.

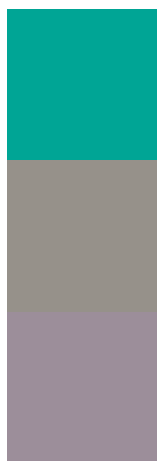


This preview shows how white text looks on a background with the Yxy color 29.0802, 0.2331, 0.3590.

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

29.0802, 0.2331, 0.3590

Protanopia

28.5698, 0.3250, 0.3402

Deuteranopia

28.7470, 0.3157, 0.3106



Tritanopia

29.0380, 0.2249, 0.3060

Trichromacy



Original Color

29.0802, 0.2331, 0.3590



Protanomaly

26.8963, 0.2701, 0.3470



Deuteranomaly

26.7323, 0.2643, 0.3253



Tritanomaly

28.7903, 0.2264, 0.3233

Monochromacy



Original Color

29.0802, 0.2331, 0.3590



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.7238, 0.2590, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0802, 0.2331, 0.3590 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, 165, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 149)  
}
```

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, 165, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 149) }
```

Border

The CSS property to change the border of an element to Yxy 29.0802, 0.2331, 0.3590 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, 165, 149) }
```

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

```
.border{ border-color:rgb(0, 165, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0802, 0.2331, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 149) }
```

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

```
.background{ background-color: rgb(0, 165,  
149) }
```

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