

Converting Colors

$Yxy(25.1938, 0.1659, 0.3980)$

Have a look what the booklet for
Yxy(25.1938, 0.1659, 0.3980)
contains.

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Color

Yxy(29.0500, 0.2408, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	00A688
RGB	0, 166, 136
RGB Percent	0%, 65%, 53%
CMY	1.0000, 0.3490, 0.4666
CMYK	1.00, 0.00, 0.18, 0.35
HSL	169°, 100%, 33%
HSV	169°, 100%, 65%
XYZ	18.0802, 29.0500, 27.9538
YIQ	112.9460, -89.3060, -44.5220

Conversions

Conversions Part 2

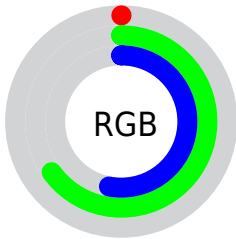
Format	Color
RYB	0, 91, 166
Decimal	42632
CIELab	60.83, -43.59, 5.35
CIELCh	61, 43.914, 173.009
Yxy	29.0500, 0.2408, 0.3869
Android (android.graphics.Color)	4278232712 (0xFF00A688)
YUV	112.9460, 11.3656, -99.0536
Hunter-Lab	53.8981, -34.4433, 6.9784

Details

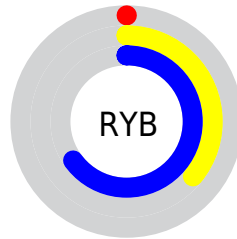
The Yxy color **29.0500, 0.2408, 0.3869** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2010, 0.6108, 0.3138**, and the grayscale version is **16.4833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1920, 0.2559, 0.3750**, and **12.4821, 0.2456, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **29.0517, 0.2408, 0.3869**, and if you desaturate by 10%, it is **29.2537, 0.2409, 0.3805**.

Distribution



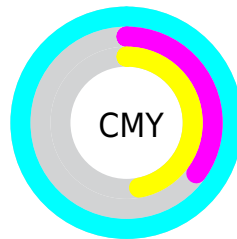
- Red (0%)
- Green (65%)
- Blue (53%)



- Red (0%)
- Yellow (36%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0500, 0.2408, 0.3869 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 29.0500, 0.2408, 0.3869 by changing the saturation by 10% instead.


 29.0500, 0.2408,
0.3869


 29.0500, 0.2408,
0.3869


 297.4508, 0.2797,
0.3550


 19.1186, 0.2301,
0.3960


 58.1565, 0.2557,
0.3745

 11.7560, 0.2157,
0.4085


 78.1005, 0.2610,
0.3701


 6.5778, 0.1954,
0.4265


 102.1507, 0.2655,
0.3665

 3.1995, 0.1650,
0.4547

 130.6917, 0.2692,
0.3634

 1.2367, 0.0335,
0.5514

 164.1079, 0.2724,
0.3608

 0.0914, 0.0000,
1.0000

 202.7835, 0.2752,

 0.0000, 0.0000,

0.3586

0.0000

247.1030, 0.2776,
0.3567

■ 29.0500, 0.2408,
0.3869

■ 29.0500, 0.2408,
0.3869

■ 29.0517, 0.2408,
0.3869

■ 29.2537, 0.2409,
0.3805

■ 29.5537, 0.2425,
0.3741

■ 29.9914, 0.2458,
0.3677

■ 30.5843, 0.2511,
0.3613

■ 31.3473, 0.2582,
0.3551

■ 32.2936, 0.2669,
0.3492

■ 33.4350, 0.2769,
0.3435

■ 34.7823, 0.2881,
0.3383

■ 36.3456, 0.3001,
0.3334

Harmonies

Analogous

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



29.0500, 0.3035, 0.4469



29.0500, 0.2408, 0.3869



29.0500, 0.2002, 0.3113

Triad

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



29.0500, 0.2408, 0.3869



29.0500, 0.2443, 0.2209



29.0500, 0.4551, 0.3803

Complementary

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



29.0500, 0.2408, 0.3869



8.2010, 0.6108, 0.3138

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.



29.0500, 0.4387, 0.3267



29.0500, 0.2408, 0.3869



29.0500, 0.3087, 0.2401

Square

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



29.0500, 0.2408, 0.3869



29.0500, 0.2029, 0.2241



29.0500, 0.3822, 0.2775



29.0500, 0.4287, 0.4299

Rectangle

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



29.0500, 0.2408, 0.3869



29.0500, 0.1888, 0.2698



29.0500, 0.3822, 0.2775



29.0500, 0.4547, 0.3624

Sweetspot

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



29.0517, 0.2408, 0.3869



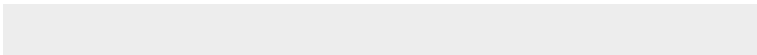
60.5539, 0.2763, 0.3439



27.5561, 0.3063, 0.5950



13.3548, 0.2721, 0.3461



84.8088, 0.3127, 0.3290



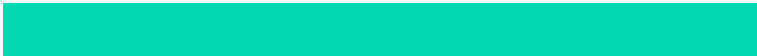
15.4872, 0.3127, 0.3290

Same Dimension

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



29.0517, 0.2408, 0.3869



52.6953, 0.2411, 0.3881



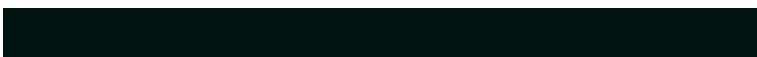
14.6609, 0.1953, 0.2231



8.5085, 0.3010, 0.3331



22.5335, 0.2406, 0.3863



0.5541, 0.2348, 0.3652

Inverse Universe

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



8.2010, 0.6108, 0.3138



14.8609, 0.6145, 0.3159



10.6143, 0.5906, 0.3692



7.5636, 0.3258, 0.3249



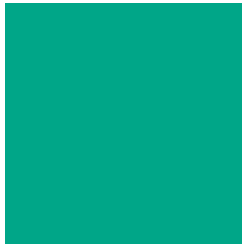
6.3644, 0.6088, 0.3128



0.1610, 0.5298, 0.2692

Previews

White Background



This preview shows how the Yxy color 29.0500, 0.2408, 0.3869 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 29.0500, 0.2408, 0.3869 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 29.0500, 0.2408, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 29.0500, 0.2408, 0.3869.

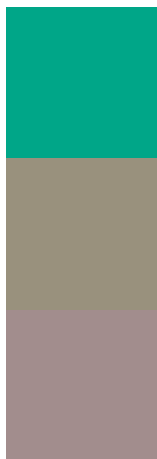


This preview shows how white text looks on a background with the Yxy color 29.0500, 0.2408, 0.3869.

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

29.0500, 0.2408, 0.3869

Protanopia

28.5038, 0.3415, 0.3610

Deuteranopia

28.6542, 0.3357, 0.3291



Tritanopia

29.1987, 0.2270, 0.3061

Trichromacy



Original Color

29.0500, 0.2408, 0.3869



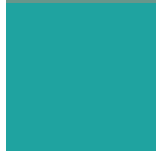
Protanomaly

26.9088, 0.2814, 0.3733



Deuteranomaly

26.5603, 0.2778, 0.3488



Tritanomaly

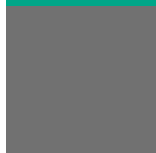
29.0238, 0.2304, 0.3342

Monochromacy



Original Color

29.0500, 0.2408, 0.3869



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.2607, 0.2629, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0500, 0.2408, 0.3869 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, 166, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 136)  
}
```

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, 166, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 136) }
```

Border

The CSS property to change the border of an element to Yxy 29.0500, 0.2408, 0.3869 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, 166, 136) }
```

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

```
.border{ border-color:rgb(0, 166, 136) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0500, 0.2408, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 136) }
```

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

```
.background{ background-color: rgb(0, 166,  
136) }
```

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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