

Converting Colors

$Yxy(29.0147, 0.2395, 0.3821)$

Have a look what the booklet for
Yxy(29.0147, 0.2395, 0.3821)
contains.

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Color

Yxy(29.1074, 0.2397, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	00A68A
RGB	0, 166, 138
RGB Percent	0%, 65%, 54%
CMY	0.9989, 0.3490, 0.4588
CMYK	1.00, 0.00, 0.17, 0.35
HSL	170°, 100%, 33%
HSV	170°, 100%, 65%
XYZ	18.2263, 29.1074, 28.7044
YIQ	113.1740, -89.9480, -43.9000

Conversions

Conversions Part 2

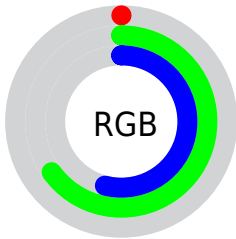
Format	Color
RYB	0, 91, 166
Decimal	42634
CIELab	60.88, -43.03, 4.30
CIELCh	61, 43.248, 174.288
Yxy	29.1074, 0.2397, 0.3828
Android (android.graphics.Color)	4278232714 (0xFF00A68A)
YUV	113.1740, 12.2392, -99.2536
Hunter-Lab	53.9513, -34.1121, 6.2211

Details

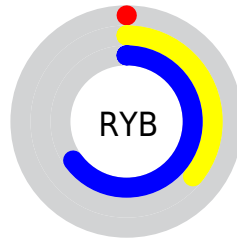
The Yxy color **29.1074, 0.2397, 0.3828** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.1978, 0.6132, 0.3153**, and the grayscale version is **16.5763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2795, 0.2550, 0.3720**, and **12.5148, 0.2440, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **29.1054, 0.2397, 0.3829**, and if you desaturate by 10%, it is **29.3070, 0.2399, 0.3769**.

Distribution



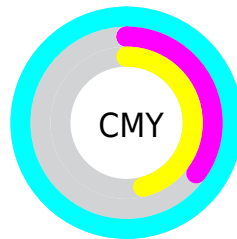
- Red (0%)
- Green (65%)
- Blue (54%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1074, 0.2397, 0.3828 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 29.1074, 0.2397, 0.3828 by changing the saturation by 10% instead.


 29.1074, 0.2397,
0.3828


 29.1074, 0.2397,
0.3828


 297.7214, 0.2791,
0.3533

 19.1621, 0.2289,
0.3912


 58.2477, 0.2547,
0.3714

 11.7875, 0.2144,
0.4025


 78.2114, 0.2601,
0.3673


 6.5991, 0.1941,
0.4189


 102.2835, 0.2646,
0.3639

 3.2127, 0.1638,
0.4443

 130.8481, 0.2684,
0.3611

 1.2438, 0.0400,
0.5296

 164.2899, 0.2717,
0.3587

 0.0970, 0.0000,
1.0000

 202.9931, 0.2745,

 0.0000, 0.0000,

0.3567

0.0000

247.3421, 0.2769,
0.3549

■ 29.1074, 0.2397,
0.3828

■ 29.1074, 0.2397,
0.3828

■ 29.1054, 0.2397,
0.3829

■ 29.3070, 0.2399,
0.3769

■ 29.6046, 0.2416,
0.3709

■ 30.0399, 0.2451,
0.3649

■ 30.6304, 0.2505,
0.3590

■ 31.3909, 0.2577,
0.3533

■ 32.3346, 0.2665,
0.3477

■ 33.4732, 0.2767,
0.3425

■ 34.8175, 0.2880,
0.3376

■ 36.3777, 0.3002,
0.3331

Harmonies

Analogous

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



29.1074, 0.3009, 0.4431



29.1074, 0.2397, 0.3828



29.1074, 0.2007, 0.3088

Triad

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



29.1074, 0.2397, 0.3828



29.1074, 0.2477, 0.2227



29.1074, 0.4527, 0.3821

Complementary

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



29.1074, 0.2397, 0.3828



8.1978, 0.6132, 0.3153

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.



29.1074, 0.4383, 0.3291



29.1074, 0.2397, 0.3828



29.1074, 0.3119, 0.2426

Square

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



29.1074, 0.2397, 0.3828



29.1074, 0.2056, 0.2250



29.1074, 0.3841, 0.2802



29.1074, 0.4252, 0.4304

Rectangle

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



29.1074, 0.2397, 0.3828



29.1074, 0.1902, 0.2686



29.1074, 0.3841, 0.2802



29.1074, 0.4528, 0.3645

Sweetspot

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



29.1085, 0.2397, 0.3828



60.5907, 0.2759, 0.3429



27.5582, 0.3063, 0.5948



13.3641, 0.2717, 0.3450



84.8088, 0.3127, 0.3290



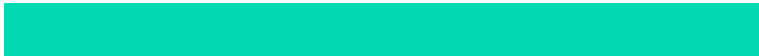
15.4872, 0.3127, 0.3290

Same Dimension

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



29.1085, 0.2397, 0.3828



52.7979, 0.2400, 0.3840



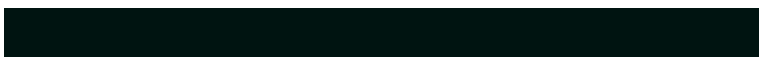
14.6813, 0.1954, 0.2232



8.5100, 0.3009, 0.3328



22.5765, 0.2395, 0.3824



0.5549, 0.2341, 0.3627

Inverse Universe

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



8.1978, 0.6132, 0.3153



14.8446, 0.6172, 0.3174



10.6312, 0.5902, 0.3693



7.5622, 0.3260, 0.3252



6.3567, 0.6118, 0.3144



0.1605, 0.5354, 0.2723

Previews

White Background



This preview shows how the Yxy color 29.1074, 0.2397, 0.3828 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 29.1074, 0.2397, 0.3828 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 29.1074, 0.2397, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 29.1074, 0.2397, 0.3828.

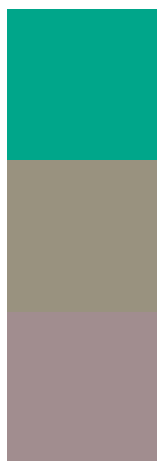


This preview shows how white text looks on a background with the Yxy color 29.1074, 0.2397, 0.3828.

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

29.1074, 0.2397, 0.3828

Protanopia

28.8624, 0.3392, 0.3593

Deuteranopia

28.6100, 0.3325, 0.3260



Tritanopia

29.1741, 0.2267, 0.3061

Trichromacy



Original Color

29.1074, 0.2397, 0.3828



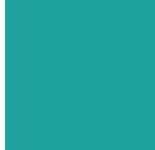
Protanomaly

26.9625, 0.2798, 0.3694



Deuteranomaly

26.6193, 0.2762, 0.3451



Tritanomaly

29.0589, 0.2299, 0.3324

Monochromacy



Original Color

29.1074, 0.2397, 0.3828



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.2854, 0.2620, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1074, 0.2397, 0.3828 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, 138)` looks like.

```
.text, #text, p{  
  color:rgb(0, 166, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 138) }
```

Border

The CSS property to change the border of an element to Yxy 29.1074, 0.2397, 0.3828 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, 138) }
```

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

```
.border{ border-color:rgb(0, 166, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1074, 0.2397, 0.3828 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, 138) }
```

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

```
.background{ background-color: rgb(0, 166,  
138) }
```

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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