

Converting Colors

$Yxy(26.9308, 0.1885, 0.3914)$

Have a look what the booklet for
Yxy(26.9308, 0.1885, 0.3914)
contains.

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Color

Yxy(29.8693, 0.2401, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	00A88B
RGB	0, 168, 139
RGB Percent	0%, 66%, 55%
CMY	0.9985, 0.3412, 0.4549
CMYK	1.00, 0.00, 0.17, 0.34
HSL	170°, 100%, 33%
HSV	170°, 100%, 66%
XYZ	18.6664, 29.8693, 29.2085
YIQ	114.4620, -90.8190, -44.6350

Conversions

Conversions Part 2

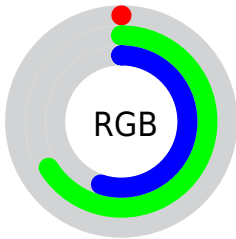
Format	Color
RYB	0, 92, 168
Decimal	43147
CIELab	61.54, -43.60, 4.70
CIElCh	62, 43.851, 173.841
Yxy	29.8693, 0.2401, 0.3842
Android (android.graphics.Color)	4278233227 (0xFF00A88B)
YUV	114.4620, 12.0972, -100.3832
Hunter-Lab	54.6528, -34.6767, 6.5702

Details

The Yxy color **29.8693, 0.2401, 0.3842** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4234, 0.6122, 0.3149**, and the grayscale version is **16.9929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3924, 0.2550, 0.3731**, and **12.9827, 0.2445, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **29.8660, 0.2401, 0.3843**, and if you desaturate by 10%, it is **30.0749, 0.2403, 0.3781**.

Distribution



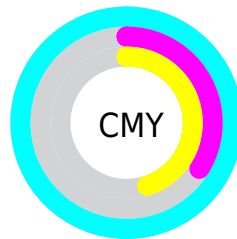
- Red (0%)
- Green (66%)
- Blue (55%)



- Red (0%)
- Yellow (36%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8693, 0.2401, 0.3842 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 29.8693, 0.2401, 0.3842 by changing the saturation by 10% instead.


 29.8693, 0.2401,
0.3842


 29.8693, 0.2401,
0.3842


301.2948, 0.2791,
0.3540


 19.7394, 0.2294,
0.3927


 59.4554, 0.2550,
0.3725


 12.2058, 0.2152,
0.4043


 79.6804, 0.2603,
0.3684


 6.8840, 0.1952,
0.4209


 104.0393, 0.2648,
0.3649

 3.3896, 0.1655,
0.4467

 132.9164, 0.2686,
0.3620

 1.3384, 0.0588,
0.5240

 166.6960, 0.2718,
0.3596

 0.1706, 0.0000,
1.0000

 205.7627, 0.2746,

 0.0000, 0.0000,

0.3574

0.0000

250.5008, 0.2770,
0.3556

■ 29.8693, 0.2401,
0.3842

■ 29.8693, 0.2401,
0.3842

■ 29.8660, 0.2401,
0.3843

■ 30.0749, 0.2403,
0.3781

■ 30.3823, 0.2419,
0.3720

■ 30.8314, 0.2454,
0.3658

■ 31.4402, 0.2508,
0.3598

■ 32.2240, 0.2579,
0.3539

■ 33.1964, 0.2667,
0.3482

■ 34.3695, 0.2769,
0.3428

■ 35.7545, 0.2882,
0.3378

■ 37.3615, 0.3003,
0.3331

Harmonies

Analogous

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



29.8693, 0.3019, 0.4444



29.8693, 0.2401, 0.3842



29.8693, 0.2006, 0.3096

Triad

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



29.8693, 0.2401, 0.3842



29.8693, 0.2465, 0.2221



29.8693, 0.4535, 0.3815

Complementary

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



29.8693, 0.2401, 0.3842



8.4234, 0.6122, 0.3149

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.



29.8693, 0.4384, 0.3283



29.8693, 0.2401, 0.3842



29.8693, 0.3108, 0.2417

Square

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



29.8693, 0.2401, 0.3842



29.8693, 0.2047, 0.2247



29.8693, 0.3834, 0.2793



29.8693, 0.4264, 0.4302

Rectangle

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



29.8693, 0.2401, 0.3842



29.8693, 0.1897, 0.2690



29.8693, 0.3834, 0.2793



29.8693, 0.4535, 0.3637

Sweetspot

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



29.8705, 0.2401, 0.3842



62.1919, 0.2760, 0.3432



28.2977, 0.3063, 0.5948



13.3608, 0.2718, 0.3454



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.



29.8705, 0.2401, 0.3842



54.1710, 0.2404, 0.3854



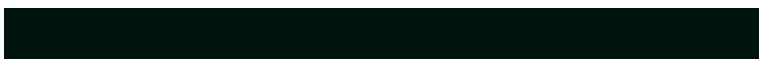
15.0728, 0.1954, 0.2232



8.5094, 0.3009, 0.3329



22.5615, 0.2399, 0.3837



0.5546, 0.2343, 0.3636

Inverse Universe

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



8.4234, 0.6122, 0.3149



15.2462, 0.6164, 0.3169



10.9140, 0.5902, 0.3693



7.5627, 0.3260, 0.3251



6.3593, 0.6108, 0.3138



0.1607, 0.5335, 0.2712

Previews

White Background



This preview shows how the Yxy color 29.8693, 0.2401, 0.3842 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 29.8693, 0.2401, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

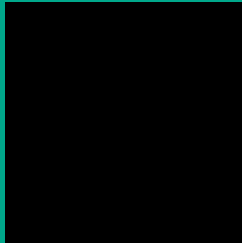
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8693, 0.2401, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 29.8693, 0.2401, 0.3842.



This preview shows how white text looks on a background with the Yxy color 29.8693, 0.2401, 0.3842.

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

29.8693, 0.2401, 0.3842

Protanopia

29.3945, 0.3401, 0.3590

Deuteranopia

29.4758, 0.3322, 0.3260



Tritanopia

29.9819, 0.2268, 0.3063

Trichromacy



Original Color

29.8693, 0.2401, 0.3842



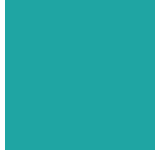
Protanomaly

27.7613, 0.2809, 0.3708



Deuteranomaly

27.3827, 0.2758, 0.3449



Tritanomaly

29.8459, 0.2297, 0.3324

Monochromacy



Original Color

29.8693, 0.2401, 0.3842



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.9219, 0.2618, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8693, 0.2401, 0.3842 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, 168, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 139)  
}
```

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, 168, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 139) }
```

Border

The CSS property to change the border of an element to Yxy 29.8693, 0.2401, 0.3842 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, 168, 139) }
```

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

```
.border{ border-color:rgb(0, 168, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8693, 0.2401, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 139) }
```

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

```
.background{ background-color: rgb(0, 168,  
139) }
```

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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