

Converting Colors

$Yxy(29.2989, 0.2403, 0.3852)$

Have a look what the booklet for
Yxy(29.2989, 0.2403, 0.3852)
contains.

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Color

Yxy(29.4436, 0.2407, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	00A789
RGB	0, 167, 137
RGB Percent	0%, 65%, 54%
CMY	1.0000, 0.3451, 0.4627
CMYK	1.00, 0.00, 0.18, 0.35
HSL	169°, 100%, 33%
HSV	169°, 100%, 65%
XYZ	18.3318, 29.4436, 28.3850
YIQ	113.6470, -89.9020, -44.7340

Conversions

Conversions Part 2

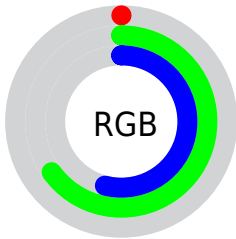
Format	Color
RYB	0, 92, 167
Decimal	42889
CIELab	61.17, -43.75, 5.29
CIELCh	61, 44.068, 173.105
Yxy	29.4436, 0.2407, 0.3866
Android (android.graphics.Color)	4278232969 (0xFF00A789)
YUV	113.6470, 11.5130, -99.6684
Hunter-Lab	54.2620, -34.6542, 6.9682

Details

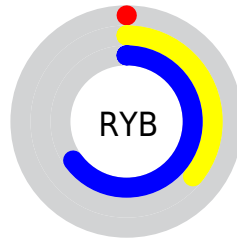
The Yxy color **29.4436, 0.2407, 0.3866** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.3100, 0.6111, 0.3140**, and the grayscale version is **16.7025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7684, 0.2557, 0.3748**, and **12.7227, 0.2454, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **29.4463, 0.2407, 0.3866**, and if you desaturate by 10%, it is **29.6501, 0.2408, 0.3802**.

Distribution



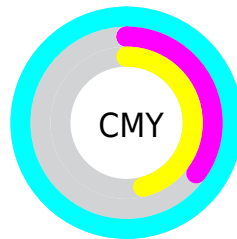
- Red (0%)
- Green (65%)
- Blue (54%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4436, 0.2407, 0.3866 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 29.4436, 0.2407, 0.3866 by changing the saturation by 10% instead.


 29.4436, 0.2407,
0.3866


 29.4436, 0.2407,
0.3866


 299.3023, 0.2795,
0.3549

 19.4167, 0.2300,
0.3956


 58.7811, 0.2555,
0.3743

 11.9717, 0.2157,
0.4079


 78.8605, 0.2609,
0.3699


 6.7244, 0.1956,
0.4256


 103.0595, 0.2653,
0.3663

 3.2904, 0.1655,
0.4533

 131.7625, 0.2691,
0.3633

 1.2851, 0.0454,
0.5424

 165.3539, 0.2723,
0.3607

 0.1297, 0.0000,
1.0000

 204.2180, 0.2750,

 0.0000, 0.0000,

0.3585

0.0000

248.7394, 0.2774,
0.3566

■ 29.4436, 0.2407,
0.3866

■ 29.4436, 0.2407,
0.3866

■ 29.4463, 0.2407,
0.3866

■ 29.6501, 0.2408,
0.3802

■ 29.9534, 0.2424,
0.3739

■ 30.3962, 0.2458,
0.3675

■ 30.9965, 0.2510,
0.3612

■ 31.7692, 0.2581,
0.3550

■ 32.7278, 0.2668,
0.3491

■ 33.8842, 0.2769,
0.3435

■ 35.2495, 0.2881,
0.3382

■ 36.8338, 0.3001,
0.3334

Harmonies

Analogous

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



29.4436, 0.3033, 0.4466



29.4436, 0.2407, 0.3866



29.4436, 0.2002, 0.3111

Triad

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



29.4436, 0.2407, 0.3866



29.4436, 0.2446, 0.2210



29.4436, 0.4550, 0.3805

Complementary

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



29.4436, 0.2407, 0.3866



8.3100, 0.6111, 0.3140

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.



29.4436, 0.4387, 0.3269



29.4436, 0.2407, 0.3866



29.4436, 0.3089, 0.2403

Square

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



29.4436, 0.2407, 0.3866



29.4436, 0.2031, 0.2242



29.4436, 0.3824, 0.2777



29.4436, 0.4285, 0.4300

Rectangle

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



29.4436, 0.2407, 0.3866



29.4436, 0.1889, 0.2696



29.4436, 0.3824, 0.2777



29.4436, 0.4546, 0.3626

Sweetspot

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



29.4463, 0.2407, 0.3866



60.5569, 0.2763, 0.3438



27.9255, 0.3063, 0.5950



13.3556, 0.2721, 0.3460



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.



29.4463, 0.2407, 0.3866



52.7037, 0.2410, 0.3877



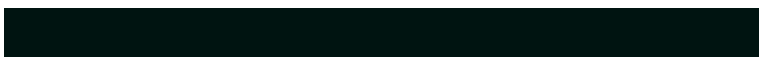
14.8524, 0.1953, 0.2230



8.5086, 0.3010, 0.3331



22.5370, 0.2406, 0.3860



0.5542, 0.2347, 0.3650

Inverse Universe

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



8.3100, 0.6111, 0.3140



14.8595, 0.6147, 0.3160



10.7521, 0.5907, 0.3692



7.5635, 0.3259, 0.3250



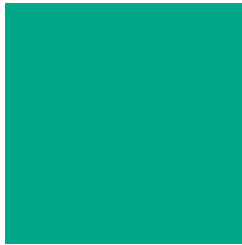
6.3637, 0.6091, 0.3129



0.1610, 0.5303, 0.2695

Previews

White Background



This preview shows how the Yxy color 29.4436, 0.2407, 0.3866 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 29.4436, 0.2407, 0.3866 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 29.4436, 0.2407, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 29.4436, 0.2407, 0.3866.

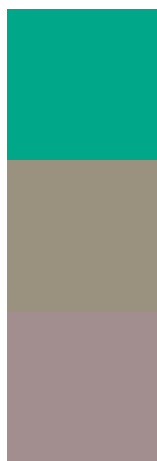


This preview shows how white text looks on a background with the Yxy color 29.4436, 0.2407, 0.3866.

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

29.4436, 0.2407, 0.3866

Protanopia

28.9342, 0.3413, 0.3608

Deuteranopia

29.0106, 0.3334, 0.3275



Tritanopia

29.5888, 0.2269, 0.3062

Trichromacy



Original Color

29.4436, 0.2407, 0.3866



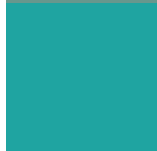
Protanomaly

27.3196, 0.2815, 0.3730



Deuteranomaly

26.9399, 0.2764, 0.3468



Tritanomaly

29.4154, 0.2303, 0.3342

Monochromacy



Original Color

29.4436, 0.2407, 0.3866



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.5967, 0.2631, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4436, 0.2407, 0.3866 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, 167, 137)` looks like.

```
.text, #text, p{  
  color:rgb(0, 167, 137)  
}
```

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, 167, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 137) }
```

Border

The CSS property to change the border of an element to Yxy 29.4436, 0.2407, 0.3866 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, 167, 137) }
```

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

```
.border{ border-color:rgb(0, 167, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4436, 0.2407, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 137) }
```

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

```
.background{ background-color: rgb(0, 167,  
137) }
```

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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