

Converting Colors

$Yxy(29.0984, 0.2612, 0.4602)$

Have a look what the booklet for
Yxy(29.0984, 0.2612, 0.4602)
contains.

Yxy(28.9845, 0.2611, 0.4601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.9845, 0.2611, 0.4601)

Conversions

Conversions Part 1

Format	Color
Hex	00A867
RGB	0, 168, 103
RGB Percent	0%, 66%, 40%
CMY	1.0000, 0.3411, 0.5960
CMYK	1.00, 0.00, 0.39, 0.34
HSL	157°, 100%, 33%
HSV	157°, 100%, 66%
XYZ	16.4483, 28.9845, 17.5633
YIQ	110.3580, -79.2630, -55.8310

Conversions

Conversions Part 2

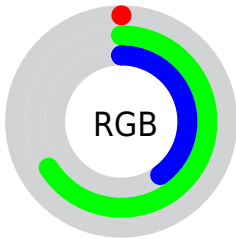
Format	Color
RYB	0, 104, 168
Decimal	43111
CIELab	60.77, -52.26, 23.49
CIElCh	61, 57.300, 155.801
Yxy	28.9845, 0.2611, 0.4601
Android (android.graphics.Color)	4278233191 (0xFF00A867)
YUV	110.3580, -3.6275, -96.7840
Hunter-Lab	53.8373, -39.6801, 18.3439

Details

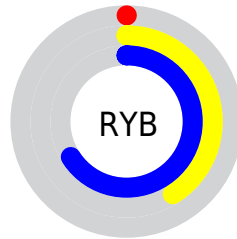
The Yxy color **28.9845, 0.2611, 0.4601** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.7072, 0.5414, 0.2756**, and the grayscale version is **15.7307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9020, 0.2732, 0.4288**, and **12.3105, 0.2720, 0.4993** is the 20% darker color. If you saturate the color by 10%, you get **28.9877, 0.2611, 0.4601**, and if you desaturate by 10%, it is **29.2407, 0.2594, 0.4456**.

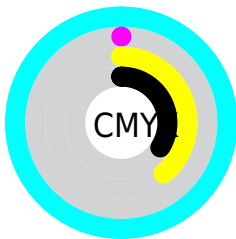
Distribution



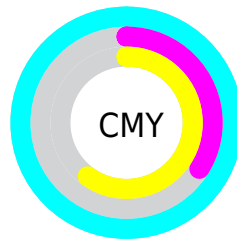
- Red (0%)
- Green (66%)
- Blue (40%)



- Red (0%)
- Yellow (41%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9845, 0.2611, 0.4601 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 28.9845, 0.2611, 0.4601 by changing the saturation by 10% instead.

 28.9845, 0.2611,
0.4601


 28.9845, 0.2611,
0.4601


297.1418, 0.2914,
0.3845


 19.0691, 0.2517,
0.4831


 58.0525, 0.2734,
0.4298


 11.7202, 0.2382,
0.5154


 77.9738, 0.2776,
0.4193

 6.5535, 0.2178,
0.5637


 101.9992, 0.2810,
0.4108

 3.1844, 0.1838,
0.6424

 130.5132, 0.2838,
0.4037

 1.2288, 0.0000,
1.0000

 163.9000, 0.2861,
0.3977

 0.0850, 0.0000,
1.0000

 202.5441, 0.2881,

 0.0000, 0.0000,

0.3927

0.0000

246.8299, 0.2899,
0.3883

■ 28.9845, 0.2611,
0.4601

■ 28.9845, 0.2611,
0.4601

■ 28.9877, 0.2611,
0.4601

■ 29.2407, 0.2594,
0.4456

■ 29.6028, 0.2591,
0.4308

■ 30.1144, 0.2608,
0.4160

■ 30.7939, 0.2645,
0.4013

■ 31.6569, 0.2699,
0.3871

■ 32.7169, 0.2767,
0.3736

■ 33.9864, 0.2847,
0.3609

■ 35.4768, 0.2935,
0.3492

■ 37.1985, 0.3030,
0.3386

Harmonies

Analogous

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



28.9845, 0.3471, 0.5032



28.9845, 0.2611, 0.4601



28.9845, 0.1941, 0.3601

Triad

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



28.9845, 0.2611, 0.4601



28.9845, 0.1929, 0.1927



28.9845, 0.4924, 0.3493

Complementary

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



28.9845, 0.2611, 0.4601



8.7072, 0.5414, 0.2756

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.



28.9845, 0.4396, 0.2871



28.9845, 0.2611, 0.4601



28.9845, 0.2562, 0.2018

Square

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



28.9845, 0.2611, 0.4601



28.9845, 0.1616, 0.2120



28.9845, 0.3470, 0.2351



28.9845, 0.4847, 0.4151

Rectangle

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



28.9845, 0.2611, 0.4601



28.9845, 0.1682, 0.2942



28.9845, 0.3470, 0.2351



28.9845, 0.4813, 0.3279

Sweetspot

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



28.9877, 0.2611, 0.4601



61.5301, 0.2842, 0.3616



29.2086, 0.3246, 0.5805



13.2001, 0.2809, 0.3666



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.



28.9877, 0.2611, 0.4601



52.5540, 0.2618, 0.4626



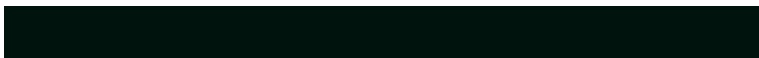
25.0274, 0.2160, 0.2975



8.4821, 0.3036, 0.3379



21.8984, 0.2607, 0.4587



0.5424, 0.2474, 0.4106

Inverse Universe

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



8.7072, 0.5414, 0.2756



15.7599, 0.5459, 0.2781



8.7204, 0.6314, 0.3368



7.5886, 0.3228, 0.3203



6.5841, 0.5389, 0.2742



0.1702, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 28.9845, 0.2611, 0.4601 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 28.9845, 0.2611, 0.4601 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 28.9845, 0.2611, 0.4601

Background



This preview shows how black text looks on a background with the Yxy color 28.9845, 0.2611, 0.4601.



This preview shows how white text looks on a background with the Yxy color 28.9845, 0.2611, 0.4601.

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

28.9845, 0.2611, 0.4601

Protanopia

28.6350, 0.3784, 0.4105

Deuteranopia

28.6526, 0.3813, 0.3740



Tritanopia

29.1194, 0.2311, 0.3062

Trichromacy



Original Color

28.9845, 0.2611, 0.4601



Protanomaly

26.7410, 0.3113, 0.4363



Deuteranomaly

26.1254, 0.3109, 0.4089



Tritanomaly

28.7446, 0.2389, 0.3569

Monochromacy



Original Color

28.9845, 0.2611, 0.4601



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.5962, 0.2731, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9845, 0.2611, 0.4601 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 103) }
```

Border

The CSS property to change the border of an element to Yxy 28.9845, 0.2611, 0.4601 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, 103) }
```

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

```
.border{ border-color:rgb(0, 168, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9845, 0.2611, 0.4601 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, 103) }
```

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

```
.background{ background-color: rgb(0, 168,  
103) }
```

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