

Converting Colors

$Y_{xy}(28.2275, 0.2562, 0.4706)$

Have a look what the booklet for
Yxy(28.2275, 0.2562, 0.4706)
contains.

Yxy(28.5383, 0.2631, 0.4673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5383, 0.2631, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	00A763
RGB	0, 167, 99
RGB Percent	0%, 65%, 39%
CMY	1.0000, 0.3451, 0.6118
CMYK	1.00, 0.00, 0.41, 0.35
HSL	156°, 100%, 33%
HSV	156°, 100%, 65%
XYZ	16.0677, 28.5383, 16.4646
YIQ	109.3150, -77.7040, -56.5520

Conversions

Conversions Part 2

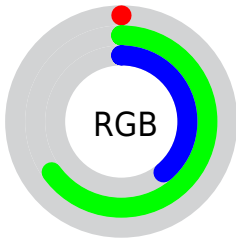
Format	Color
RYB	0, 105, 167
Decimal	42851
CIELab	60.37, -52.72, 25.12
CIELCh	60, 58.404, 154.521
Yxy	28.5383, 0.2631, 0.4673
Android (android.graphics.Color)	4278232931 (0xFF00A763)
YUV	109.3150, -5.0853, -95.8693
Hunter-Lab	53.4213, -39.7992, 19.1215

Details

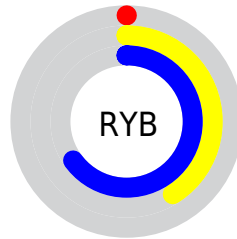
The Yxy color **28.5383, 0.2631, 0.4673** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.6340, 0.5330, 0.2710**, and the grayscale version is **15.4197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2015, 0.2756, 0.4353**, and **12.0493, 0.2748, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **28.5414, 0.2631, 0.4673**, and if you desaturate by 10%, it is **28.7935, 0.2612, 0.4521**.

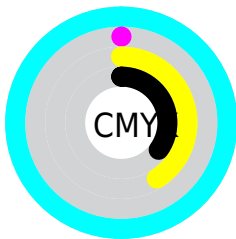
Distribution



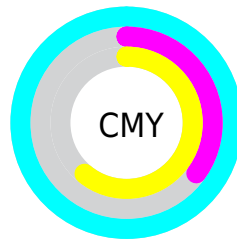
- Red (0%)
- Green (65%)
- Blue (39%)



- Red (0%)
- Yellow (41%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5383, 0.2631, 0.4673 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 28.5383, 0.2631, 0.4673 by changing the saturation by 10% instead.

 28.5383, 0.2631,
0.4673


 28.5383, 0.2631,
0.4673


295.0303, 0.2926,
0.3872


 18.7318, 0.2537,
0.4918


 57.3427, 0.2752,
0.4351

 11.4767, 0.2401,
0.5263


 77.1095, 0.2793,
0.4240


 6.3884, 0.2192,
0.5779


 100.9651, 0.2826,
0.4149

 3.0827, 0.1847,
0.6646

 129.2940, 0.2854,
0.4075

 1.1750, 0.0000,
1.0000

 162.4806, 0.2876,
0.4012

 0.0412, 0.0000,
1.0000

 200.9092, 0.2896,

 0.0000, 0.0000,

0.3958

0.0000

244.9643, 0.2912,
0.3912

■ 28.5383, 0.2631,
0.4673

■ 28.5383, 0.2631,
0.4673

■ 28.5414, 0.2631,
0.4673

■ 28.7935, 0.2612,
0.4521

■ 29.1539, 0.2608,
0.4365

■ 29.6629, 0.2624,
0.4208

■ 30.3386, 0.2659,
0.4053

■ 31.1962, 0.2711,
0.3903

■ 32.2494, 0.2777,
0.3760

■ 33.5103, 0.2855,
0.3626

■ 34.9901, 0.2941,
0.3503

■ 36.6993, 0.3032,
0.3391

Harmonies

Analogous

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



28.5383, 0.3511, 0.5077



28.5383, 0.2631, 0.4673



28.5383, 0.1937, 0.3653

Triad

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



28.5383, 0.2631, 0.4673



28.5383, 0.1885, 0.1902



28.5383, 0.4956, 0.3463

Complementary

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



28.5383, 0.2631, 0.4673



8.6340, 0.5330, 0.2710

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.



28.5383, 0.4392, 0.2835



28.5383, 0.2631, 0.4673



28.5383, 0.2514, 0.1985

Square

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



28.5383, 0.2631, 0.4673



28.5383, 0.1580, 0.2110



28.5383, 0.3433, 0.2313



28.5383, 0.4898, 0.4133

Rectangle

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



28.5383, 0.2631, 0.4673



28.5383, 0.1664, 0.2969



28.5383, 0.3433, 0.2313



28.5383, 0.4834, 0.3246

Sweetspot

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



28.5414, 0.2631, 0.4673



59.8753, 0.2850, 0.3633



28.9274, 0.3265, 0.5789



13.1857, 0.2818, 0.3686



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.



28.5414, 0.2631, 0.4673



51.0681, 0.2639, 0.4699



25.6027, 0.2175, 0.3029



8.4796, 0.3039, 0.3384



21.8476, 0.2627, 0.4659



0.5413, 0.2487, 0.4152

Inverse Universe

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



8.6340, 0.5330, 0.2710



15.4225, 0.5374, 0.2734



8.5283, 0.6331, 0.3355



7.5911, 0.3224, 0.3198



6.6153, 0.5306, 0.2697



0.1712, 0.4462, 0.2232

Previews

White Background



This preview shows how the Yxy color 28.5383, 0.2631, 0.4673 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 28.5383, 0.2631, 0.4673 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 28.5383, 0.2631, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 28.5383, 0.2631, 0.4673.



This preview shows how white text looks on a background with the Yxy color 28.5383, 0.2631, 0.4673.

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

28.5383, 0.2631, 0.4673

Protanopia

28.2581, 0.3829, 0.4151

Deuteranopia

28.1638, 0.3850, 0.3788



Tritanopia

28.3861, 0.2318, 0.3060

Trichromacy



Original Color

28.5383, 0.2631, 0.4673



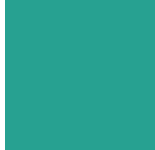
Protanomaly

26.3395, 0.3147, 0.4425



Deuteranomaly

25.7254, 0.3146, 0.4149



Tritanomaly

27.9654, 0.2401, 0.3592

Monochromacy



Original Color

28.5383, 0.2631, 0.4673



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.2504, 0.2738, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5383, 0.2631, 0.4673 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 99) }
```

Border

The CSS property to change the border of an element to Yxy 28.5383, 0.2631, 0.4673 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, 99) }
```

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

```
.border{ border-color:rgb(0, 167, 99) }
```

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, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 167, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.5383, 0.2631, 0.4673 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, 99) }
```

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

```
.background{ background-color: rgb(0, 167,  
99) }
```

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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