

Converting Colors

$Y_{xy}(28.2839, 0.2502, 0.4434)$

Have a look what the booklet for
Yxy(28.2839, 0.2502, 0.4434)
contains.

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Color

Yxy(28.7851, 0.2560, 0.4416)

Conversions

Conversions Part 1

Format	Color
Hex	00A76F
RGB	0, 167, 111
RGB Percent	0%, 65%, 44%
CMY	1.0000, 0.3451, 0.5648
CMYK	1.00, 0.00, 0.34, 0.35
HSL	160°, 100%, 33%
HSV	160°, 100%, 65%
XYZ	16.6870, 28.7851, 19.7115
YIQ	110.6830, -81.5560, -52.8200

Conversions

Conversions Part 2

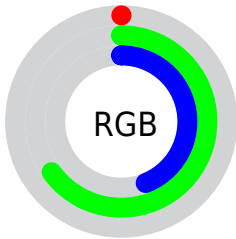
Format	Color
RYB	0, 100, 167
Decimal	42863
CIELab	60.59, -50.16, 18.91
CIELCh	61, 53.610, 159.341
Yxy	28.7851, 0.2560, 0.4416
Android (android.graphics.Color)	4278232943 (0xFF00A76F)
YUV	110.6830, 0.1563, -97.0690
Hunter-Lab	53.6517, -38.3727, 15.7732

Details

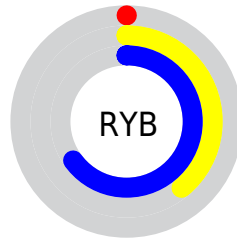
The Yxy color **28.7851, 0.2560, 0.4416** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.5016, 0.5614, 0.2866**, and the grayscale version is **15.8172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6438, 0.2689, 0.4154**, and **12.3935, 0.2656, 0.4760** is the 20% darker color. If you saturate the color by 10%, you get **28.7864, 0.2560, 0.4416**, and if you desaturate by 10%, it is **29.0301, 0.2547, 0.4291**.

Distribution



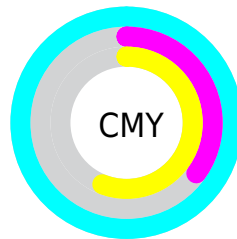
- Red (0%)
- Green (65%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7851, 0.2560, 0.4416 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 28.7851, 0.2560, 0.4416 by changing the saturation by 10% instead.


 28.7851, 0.2560,
0.4416


 28.7851, 0.2560,
0.4416


296.1997, 0.2884,
0.3770

 18.9183, 0.2463,
0.4611


 57.7355, 0.2689,
0.4158


 11.6113, 0.2328,
0.4886


 77.5879, 0.2734,
0.4068


 6.4796, 0.2126,
0.5297


 101.5376, 0.2770,
0.3996

 3.1388, 0.1799,
0.5969

 129.9690, 0.2801,
0.3935

 1.2046, 0.0000,
1.0000

 163.2665, 0.2826,
0.3884

 0.0655, 0.0000,
1.0000

 201.8145, 0.2848,

 0.0000, 0.0000,

0.3841

0.0000

245.9974, 0.2867,
0.3803

■ 28.7851, 0.2560,
0.4416

■ 28.7851, 0.2560,
0.4416

■ 28.7864, 0.2560,
0.4416

■ 29.0301, 0.2547,
0.4291

■ 29.3788, 0.2549,
0.4164

■ 29.8727, 0.2570,
0.4036

■ 30.5296, 0.2611,
0.3911

■ 31.3648, 0.2669,
0.3789

■ 32.3918, 0.2742,
0.3674

■ 33.6226, 0.2827,
0.3565

■ 35.0683, 0.2922,
0.3465

■ 36.7393, 0.3023,
0.3373

Harmonies

Analogous

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



28.7851, 0.3367, 0.4908



28.7851, 0.2560, 0.4416



28.7851, 0.1953, 0.3471

Triad

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



28.7851, 0.2560, 0.4416



28.7851, 0.2047, 0.1992



28.7851, 0.4838, 0.3570

Complementary

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



28.7851, 0.2560, 0.4416



8.5016, 0.5614, 0.2866

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.



28.7851, 0.4402, 0.2966



28.7851, 0.2560, 0.4416



28.7851, 0.2687, 0.2107

Square

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



28.7851, 0.2560, 0.4416



28.7851, 0.1710, 0.2147



28.7851, 0.3561, 0.2451



28.7851, 0.4714, 0.4196

Rectangle

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



28.7851, 0.2560, 0.4416



28.7851, 0.1729, 0.2875



28.7851, 0.3561, 0.2451



28.7851, 0.4755, 0.3363

Sweetspot

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



28.7864, 0.2560, 0.4416



60.0832, 0.2822, 0.3571



28.5521, 0.3193, 0.5847



13.2372, 0.2787, 0.3614



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.



28.7864, 0.2560, 0.4416



51.5120, 0.2566, 0.4438



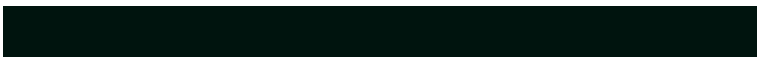
22.1224, 0.2114, 0.2810



8.4886, 0.3030, 0.3367



22.0358, 0.2557, 0.4404



0.5451, 0.2442, 0.3990

Inverse Universe

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



8.5016, 0.5614, 0.2866



15.1905, 0.5659, 0.2891



8.9134, 0.6249, 0.3420



7.5823, 0.3235, 0.3215



6.5135, 0.5589, 0.2853



0.1679, 0.4684, 0.2354

Previews

White Background



This preview shows how the Yxy color 28.7851, 0.2560, 0.4416 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 28.7851, 0.2560, 0.4416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

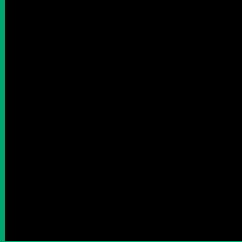
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7851, 0.2560, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 28.7851, 0.2560, 0.4416.



This preview shows how white text looks on a background with the Yxy color 28.7851, 0.2560, 0.4416.

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

28.7851, 0.2560, 0.4416

Protanopia

28.3585, 0.3708, 0.3987

Deuteranopia

28.1846, 0.3705, 0.3625



Tritanopia

28.6744, 0.2304, 0.3061

Trichromacy



Original Color

28.7851, 0.2560, 0.4416



Protanomaly

26.5117, 0.3038, 0.4196



Deuteranomaly

25.9208, 0.3029, 0.3921



Tritanomaly

28.4360, 0.2370, 0.3513

Monochromacy



Original Color

28.7851, 0.2560, 0.4416



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.7199, 0.2704, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7851, 0.2560, 0.4416 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, 111)` looks like.

```
.text, #text, p{  
  color:rgb(0, 167, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 111) }
```

Border

The CSS property to change the border of an element to Yxy 28.7851, 0.2560, 0.4416 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, 111) }
```

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

```
.border{ border-color:rgb(0, 167, 111) }
```

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, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7851, 0.2560, 0.4416 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, 111) }
```

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

```
.background{ background-color: rgb(0, 167,  
111) }
```

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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