

Converting Colors

$Yxy(26.2694, 0.2190, 0.5476)$

Have a look what the booklet for
Yxy(26.2694, 0.2190, 0.5476)
contains.

Yxy(28.8839, 0.2772, 0.5180)	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(28.8839, 0.2772, 0.5180)

Conversions

Conversions Part 1

Format	Color
Hex	00A94B
RGB	0, 169, 75
RGB Percent	0%, 66%, 29%
CMY	1.0000, 0.3372, 0.7058
CMYK	1.00, 0.00, 0.56, 0.34
HSL	147°, 100%, 33%
HSV	147°, 100%, 66%
XYZ	15.4568, 28.8839, 11.4197
YIQ	107.7530, -70.5500, -65.0620

Conversions

Conversions Part 2

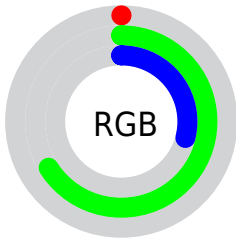
Format	Color
RYB	0, 117, 169
Decimal	43339
CIELab	60.68, -57.60, 37.89
CIELCh	61, 68.940, 146.663
Yxy	28.8839, 0.2772, 0.5180
Android (android.graphics.Color)	4278233419 (0xFF00A94B)
YUV	107.7530, -16.1472, -94.4994
Hunter-Lab	53.7437, -42.7147, 25.0224

Details

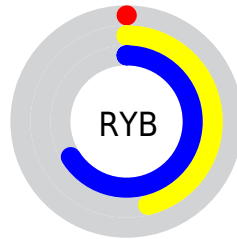
The Yxy color **28.8839, 0.2772, 0.5180** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.2435, 0.4710, 0.2368**, and the grayscale version is **14.9857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1744, 0.2884, 0.4743**, and **12.3317, 0.2919, 0.5708** is the 20% darker color. If you saturate the color by 10%, you get **28.8861, 0.2772, 0.5180**, and if you desaturate by 10%, it is **29.1428, 0.2744, 0.4988**.

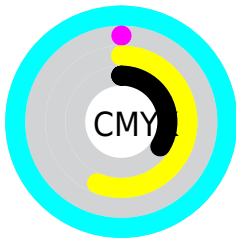
Distribution



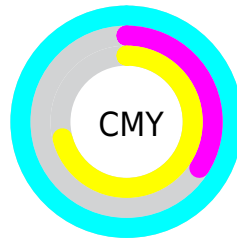
- Red (0%)
- Green (66%)
- Blue (29%)



- Red (0%)
- Yellow (46%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8839, 0.2772, 0.5180 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 28.8839, 0.2772, 0.5180 by changing the saturation by 10% instead.


 28.8839, 0.2772,
0.5180

 28.8839, 0.2772,
0.5180


296.6668, 0.3017,
0.4078


 18.9930, 0.2679,
0.5513


 57.8926, 0.2882,
0.4738

 11.6652, 0.2534,
0.5973


 77.7791, 0.2917,
0.4585


 6.5162, 0.2293,
0.6636


 101.7664, 0.2943,
0.4460

 3.1614, 0.1958,
0.8042

 130.2387, 0.2964,
0.4357

 1.2166, 0.0000,
1.0000

 163.5806, 0.2981,
0.4271

 0.0752, 0.0000,
1.0000

 202.1762, 0.2995,

 0.0000, 0.0000,

0.4197

0.0000

246.4102, 0.3007,
0.4133

■ 28.8839, 0.2772,
0.5180

■ 28.8839, 0.2772,
0.5180

■ 28.8861, 0.2772,
0.5180

■ 29.1428, 0.2744,
0.4988

■ 29.5194, 0.2730,
0.4782

■ 30.0575, 0.2735,
0.4568

■ 30.7761, 0.2759,
0.4353

■ 31.6914, 0.2798,
0.4143

■ 32.8178, 0.2850,
0.3942

■ 34.1681, 0.2912,
0.3755

■ 35.7544, 0.2981,
0.3584

■ 37.5877, 0.3053,
0.3429

Harmonies

Analogous

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



28.8839, 0.3778, 0.5337



28.8839, 0.2772, 0.5180



28.8839, 0.1914, 0.4058

Triad

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



28.8839, 0.2772, 0.5180



28.8839, 0.1595, 0.1741



28.8839, 0.5159, 0.3250

Complementary

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



28.8839, 0.2772, 0.5180



9.2435, 0.4710, 0.2368

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.



28.8839, 0.4335, 0.2586



28.8839, 0.2772, 0.5180



28.8839, 0.2191, 0.1763

Square

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



28.8839, 0.2772, 0.5180



28.8839, 0.1351, 0.2049



28.8839, 0.3168, 0.2059



28.8839, 0.5240, 0.3981

Rectangle

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



28.8839, 0.2772, 0.5180



28.8839, 0.1550, 0.3184



28.8839, 0.3168, 0.2059



28.8839, 0.4958, 0.3020

Sweetspot

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



28.8861, 0.2772, 0.5180



61.0487, 0.2908, 0.3765



30.8522, 0.3465, 0.5630



13.0847, 0.2883, 0.3839



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.



28.8861, 0.2772, 0.5180



51.6892, 0.2781, 0.5211



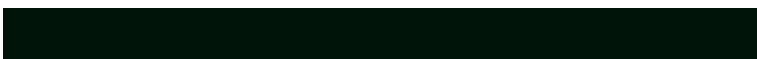
30.8375, 0.2304, 0.3493



8.4610, 0.3058, 0.3418



21.5377, 0.2767, 0.5161



0.5344, 0.2583, 0.4497

Inverse Universe

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



9.2435, 0.4710, 0.2368



16.5107, 0.4743, 0.2387



8.4604, 0.6323, 0.3257



7.6095, 0.3202, 0.3165



6.8996, 0.4690, 0.2357



0.1779, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 28.8839, 0.2772, 0.5180 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 28.8839, 0.2772, 0.5180 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 28.8839, 0.2772, 0.5180

Background



This preview shows how black text looks on a background with the Yxy color 28.8839, 0.2772, 0.5180.



This preview shows how white text looks on a background with the Yxy color 28.8839, 0.2772, 0.5180.

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

28.8839, 0.2772, 0.5180

Protanopia

28.5401, 0.4062, 0.4461

Deuteranopia

28.4369, 0.4161, 0.4091



Tritanopia

28.9331, 0.2338, 0.3063

Trichromacy



Original Color

28.8839, 0.2772, 0.5180



Protanomaly

26.3782, 0.3332, 0.4845



Deuteranomaly

25.9026, 0.3383, 0.4573



Tritanomaly

28.4928, 0.2467, 0.3787

Monochromacy



Original Color

28.8839, 0.2772, 0.5180



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.0750, 0.2819, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8839, 0.2772, 0.5180 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, 169, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 75)  
}
```

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, 169, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 75) }
```

Border

The CSS property to change the border of an element to Yxy 28.8839, 0.2772, 0.5180 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, 169, 75) }
```

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

```
.border{ border-color:rgb(0, 169, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 169, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.8839, 0.2772, 0.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 75) }
```

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

```
.background{ background-color: rgb(0, 169,  
75) }
```

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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