

Converting Colors

$Y_{xy}(18.0833, 0.2440, 0.5760)$

Have a look what the booklet for
Yxy(18.0833, 0.2440, 0.5760)
contains.

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Color

Yxy(19.2470, 0.2859, 0.5493)

Conversions

Conversions Part 1

Format	Color
Hex	008D2E
RGB	0, 141, 46
RGB Percent	0%, 55%, 18%
CMY	1.0000, 0.4470, 0.8195
CMYK	1.00, 0.00, 0.67, 0.45
HSL	140°, 100%, 28%
HSV	140°, 100%, 55%
XYZ	10.0177, 19.2470, 5.7745
YIQ	88.0110, -53.5410, -59.4370

Conversions

Conversions Part 2

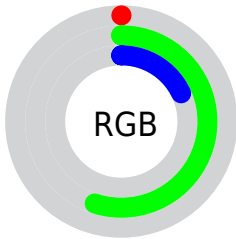
Format	Color
RYB	0, 106, 141
Decimal	36142
CIELab	50.97, -52.50, 40.33
CIELCh	51, 66.207, 142.469
Yxy	19.2470, 0.2859, 0.5493
Android (android.graphics.Color)	4278226222 (0xFF008D2E)
YUV	88.0110, -20.7114, -77.1856
Hunter-Lab	43.8714, -36.0159, 22.9061

Details

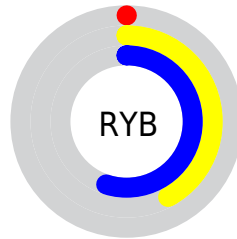
The Yxy color **19.2470, 0.2859, 0.5493** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.4888, 0.4220, 0.2098**, and the grayscale version is **9.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2092, 0.2980, 0.4932**, and **7.1448, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.2483, 0.2859, 0.5493**, and if you desaturate by 10%, it is **19.4259, 0.2835, 0.5291**.

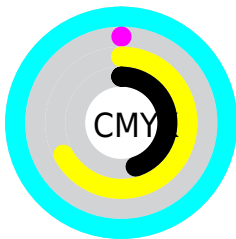
Distribution



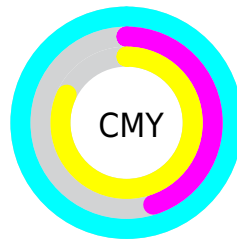
- Red (0%)
- Green (55%)
- Blue (18%)



- Red (0%)
- Yellow (42%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2470, 0.2859, 0.5493 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 19.2470, 0.2859, 0.5493 by changing the saturation by 10% instead.


 19.2470, 0.2859,
0.5493


 19.2470, 0.2859,
0.5493


247.8090, 0.3086,
0.4137


 11.8489, 0.2741,
0.5935


 42.1511, 0.2978,
0.4927

 6.6409, 0.2535,
0.6562


 58.4258, 0.3010,
0.4737


 3.2385, 0.2228,
0.7772

 78.4282, 0.3033,
0.4586

 1.2575, 0.0000,
1.0000

 102.5426, 0.3050,
0.4462

 0.1079, 0.0000,
1.0000

 131.1536, 0.3062,
0.4360

 0.0000, 0.0000,
0.0000

 164.6453, 0.3072,

0.4274

203.4023, 0.3080,
0.4201

■ 19.2470, 0.2859,
0.5493

■ 19.2470, 0.2859,
0.5493

■ 19.2483, 0.2859,
0.5493

■ 19.4259, 0.2835,
0.5291

■ 19.6824, 0.2821,
0.5063

■ 20.0509, 0.2822,
0.4818

■ 20.5435, 0.2840,
0.4565

■ 21.1711, 0.2870,
0.4314

■ 21.9431, 0.2911,
0.4073

■ 22.8680, 0.2960,
0.3848

■ 23.9538, 0.3014,
0.3642

■ 25.2078, 0.3070,
0.3456

Harmonies

Analogous

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



19.2470, 0.3934, 0.5450



19.2470, 0.2859, 0.5493



19.2470, 0.1906, 0.4348

Triad

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



19.2470, 0.2859, 0.5493



19.2470, 0.1429, 0.1648



19.2470, 0.5270, 0.3115

Complementary

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



19.2470, 0.2859, 0.5493



6.4888, 0.4220, 0.2098

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.



19.2470, 0.4275, 0.2433



19.2470, 0.2859, 0.5493



19.2470, 0.1998, 0.1634

Square

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



19.2470, 0.2859, 0.5493



19.2470, 0.1221, 0.2017



19.2470, 0.2992, 0.1907



19.2470, 0.5446, 0.3870

Rectangle

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



19.2470, 0.2859, 0.5493



19.2470, 0.1486, 0.3345



19.2470, 0.2992, 0.1907



19.2470, 0.5015, 0.2878

Sweetspot

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



19.2483, 0.2859, 0.5493



40.8356, 0.2957, 0.3862



21.5568, 0.3656, 0.5479



8.9783, 0.2938, 0.3944



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.2483, 0.2859, 0.5493



34.4406, 0.2869, 0.5530



20.2921, 0.2408, 0.3870



6.0566, 0.3075, 0.3442



17.5526, 0.2857, 0.5486



0.1715, 0.2628, 0.4662

Inverse Universe

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



6.4888, 0.4220, 0.2098



11.5878, 0.4246, 0.2113



5.7369, 0.6073, 0.3119



5.4815, 0.3184, 0.3143



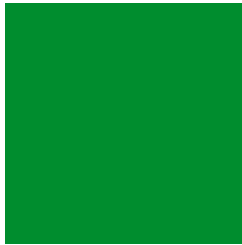
5.9192, 0.4215, 0.2096



0.0607, 0.3671, 0.1796

Previews

White Background



This preview shows how the Yxy color 19.2470, 0.2859, 0.5493 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 19.2470, 0.2859, 0.5493 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 19.2470, 0.2859, 0.5493

Background



This preview shows how black text looks on a background with the Yxy color 19.2470, 0.2859, 0.5493.



This preview shows how white text looks on a background with the Yxy color 19.2470, 0.2859, 0.5493.

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

19.2470, 0.2859, 0.5493

Protanopia

18.9857, 0.4195, 0.4623

Deuteranopia

19.0213, 0.4341, 0.4257



Tritanopia

19.3254, 0.2364, 0.3083

Trichromacy



Original Color

19.2470, 0.2859, 0.5493



Protanomaly

17.5912, 0.3463, 0.5079



Deuteranomaly

17.0961, 0.3531, 0.4812



Tritanomaly

18.7646, 0.2525, 0.3933

Monochromacy



Original Color

19.2470, 0.2859, 0.5493



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.8372, 0.2880, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2470, 0.2859, 0.5493 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, 141, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 46)  
}
```

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, 141, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 46) }
```

Border

The CSS property to change the border of an element to Yxy 19.2470, 0.2859, 0.5493 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, 141, 46) }
```

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

```
.border{ border-color:rgb(0, 141, 46) }
```

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

Here you see how a box with a 4 pixel rgb(0, 141, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 46)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.2470, 0.2859, 0.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 46) }
```

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

```
.background{ background-color: rgb(0, 141,  
46) }
```

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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