

Converting Colors

$Yxy(19.6483, 0.2855, 0.5476)$

Have a look what the booklet for
Yxy(19.6483, 0.2855, 0.5476)
contains.

Yxy(19.5512, 0.2856, 0.5482)	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

$\text{Yxy}(19.5512, 0.2856, 0.5482)$

Conversions

Conversions Part 1

Format	Color
Hex	008E2F
RGB	0, 142, 47
RGB Percent	0%, 56%, 18%
CMY	1.0000, 0.4431, 0.8156
CMYK	1.00, 0.00, 0.67, 0.44
HSL	140°, 100%, 28%
HSV	140°, 100%, 56%
XYZ	10.1857, 19.5512, 5.9274
YIQ	88.7120, -54.1370, -59.6490

Conversions

Conversions Part 2

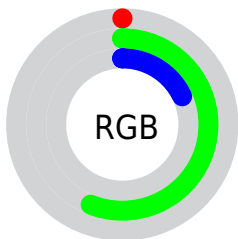
Format	Color
RYB	0, 107, 142
Decimal	36399
CIELab	51.33, -52.70, 40.28
CIELCh	51, 66.333, 142.610
Yxy	19.5512, 0.2856, 0.5482
Android (android.graphics.Color)	4278226479 (0xFF008E2F)
YUV	88.7120, -20.5640, -77.8004
Hunter-Lab	44.2167, -36.2601, 23.0037

Details

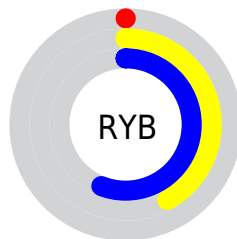
The Yxy color **19.5512, 0.2856, 0.5482** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.5771, 0.4238, 0.2108**, and the grayscale version is **9.9791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6804, 0.2975, 0.4926**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.5523, 0.2856, 0.5482**, and if you desaturate by 10%, it is **19.7325, 0.2832, 0.5280**.

Distribution



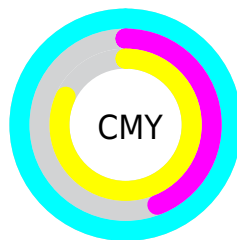
- Red (0%)
- Green (56%)
- Blue (18%)



- Red (0%)
- Yellow (42%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5512, 0.2856, 0.5482 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 19.5512, 0.2856, 0.5482 by changing the saturation by 10% instead.


 19.5512, 0.2856,
0.5482


 19.5512, 0.2856,
0.5482


249.4750, 0.3084,
0.4136

 12.0692, 0.2740,
0.5920


 42.6634, 0.2974,
0.4920


 6.7908, 0.2536,
0.6540


 59.0625, 0.3007,
0.4732


 3.3316, 0.2242,
0.7758

 79.2027, 0.3030,
0.4582

 1.3072, 0.0000,
1.0000

 103.4685, 0.3047,
0.4459

 0.1468, 0.0000,
1.0000

 132.2442, 0.3060,
0.4358

 0.0000, 0.0000,
0.0000

 165.9143, 0.3070,

0.4272

204.8631, 0.3077,
0.4199

■ 19.5512, 0.2856,
0.5482

■ 19.5512, 0.2856,
0.5482

■ 19.5523, 0.2856,
0.5482

■ 19.7325, 0.2832,
0.5280

■ 19.9930, 0.2817,
0.5053

■ 20.3670, 0.2819,
0.4808

■ 20.8671, 0.2836,
0.4557

■ 21.5040, 0.2867,
0.4307

■ 22.2874, 0.2909,
0.4068

■ 23.2261, 0.2958,
0.3845

■ 24.3280, 0.3013,
0.3640

■ 25.6007, 0.3070,
0.3455

Harmonies

Analogous

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



19.5512, 0.3928, 0.5446



19.5512, 0.2856, 0.5482



19.5512, 0.1907, 0.4337

Triad

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



19.5512, 0.2856, 0.5482



19.5512, 0.1435, 0.1651



19.5512, 0.5266, 0.3120

Complementary

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



19.5512, 0.2856, 0.5482



6.5771, 0.4238, 0.2108

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.



19.5512, 0.4278, 0.2438



19.5512, 0.2856, 0.5482



19.5512, 0.2005, 0.1638

Square

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



19.5512, 0.2856, 0.5482



19.5512, 0.1225, 0.2018



19.5512, 0.2999, 0.1912



19.5512, 0.5439, 0.3875

Rectangle

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



19.5512, 0.2856, 0.5482



19.5512, 0.1488, 0.3339



19.5512, 0.2999, 0.1912



19.5512, 0.5013, 0.2883

Sweetspot

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



19.5523, 0.2856, 0.5482



40.8436, 0.2955, 0.3858



21.8903, 0.3656, 0.5479



8.9803, 0.2936, 0.3939



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.



19.5523, 0.2856, 0.5482



34.4496, 0.2866, 0.5518



20.6072, 0.2408, 0.3870



6.0570, 0.3074, 0.3441



17.5573, 0.2854, 0.5474



0.1716, 0.2624, 0.4647

Inverse Universe

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



6.5771, 0.4238, 0.2108



11.5664, 0.4264, 0.2123



5.8258, 0.6074, 0.3120



5.4811, 0.3184, 0.3144



5.9084, 0.4233, 0.2105



0.0606, 0.3679, 0.1800

Previews

White Background



This preview shows how the Yxy color 19.5512, 0.2856, 0.5482 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 19.5512, 0.2856, 0.5482 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 19.5512, 0.2856, 0.5482

Background



This preview shows how black text looks on a background with the Yxy color 19.5512, 0.2856, 0.5482.



This preview shows how white text looks on a background with the Yxy color 19.5512, 0.2856, 0.5482.

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

19.5512, 0.2856, 0.5482

Protanopia

19.3205, 0.4189, 0.4617

Deuteranopia

19.3556, 0.4333, 0.4253



Tritanopia

19.6882, 0.2361, 0.3065

Trichromacy



Original Color

19.5512, 0.2856, 0.5482



Protanomaly

17.9086, 0.3462, 0.5068



Deuteranomaly

17.4111, 0.3530, 0.4801



Tritanomaly

19.1058, 0.2519, 0.3904

Monochromacy



Original Color

19.5512, 0.2856, 0.5482



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

12.0894, 0.2882, 0.4205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5512, 0.2856, 0.5482 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, 142, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 47)  
}
```

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, 142, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 47) }
```

Border

The CSS property to change the border of an element to Yxy 19.5512, 0.2856, 0.5482 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, 142, 47) }
```

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

```
.border{ border-color:rgb(0, 142, 47) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5512, 0.2856, 0.5482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 47) }
```

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

```
.background{ background-color: rgb(0, 142,  
47) }
```

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