

Converting Colors

$Yxy(18.4187, 0.2309, 0.5002)$

Have a look what the booklet for
Yxy(18.4187, 0.2309, 0.5002)
contains.

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Color

Yxy(19.5716, 0.2678, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	008D4C
RGB	0, 141, 76
RGB Percent	0%, 55%, 30%
CMY	0.9991, 0.4471, 0.7020
CMYK	1.00, 0.00, 0.46, 0.45
HSL	152°, 100%, 28%
HSV	152°, 100%, 55%
XYZ	10.8313, 19.5716, 10.0426
YIQ	91.4310, -63.1710, -50.1070

Conversions

Conversions Part 2

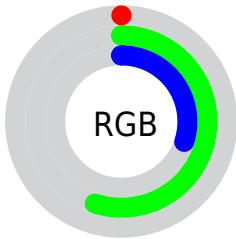
Format	Color
RYB	0, 92, 141
Decimal	36172
CIELab	51.35, -47.89, 25.76
CIELCh	51, 54.376, 151.727
Yxy	19.5716, 0.2678, 0.4839
Android (android.graphics.Color)	4278226252 (0xFF008D4C)
YUV	91.4310, -7.6075, -80.1850
Hunter-Lab	44.2398, -33.7171, 17.5088

Details

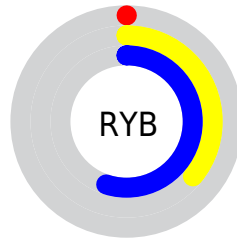
The Yxy color **19.5716, 0.2678, 0.4839** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.0522, 0.5068, 0.2567**, and the grayscale version is **10.6104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8252, 0.2806, 0.4439**, and **7.2385, 0.2826, 0.5374** is the 20% darker color. If you saturate the color by 10%, you get **19.5693, 0.2678, 0.4842**, and if you desaturate by 10%, it is **19.7621, 0.2659, 0.4670**.

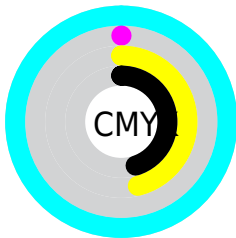
Distribution



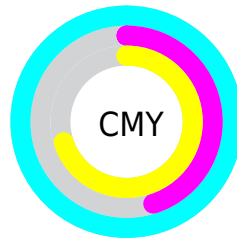
- Red (0%)
- Green (55%)
- Blue (30%)



- Red (0%)
- Yellow (36%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5716, 0.2678, 0.4839 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 19.5716, 0.2678, 0.4839 by changing the saturation by 10% instead.


 19.5716, 0.2678,
0.4839


 19.5716, 0.2678,
0.4839


249.5864, 0.2969,
0.3891


 12.0840, 0.2570,
0.5159


 42.6978, 0.2806,
0.4440


 6.8009, 0.2400,
0.5633


 59.1051, 0.2847,
0.4308

 3.3379, 0.2111,
0.6406

 79.2546, 0.2878,
0.4203

 1.3106, 0.0188,
0.9812

 103.5305, 0.2904,
0.4117

 0.1494, 0.0000,
1.0000

 132.3172, 0.2924,
0.4046

 0.0000, 0.0000,
0.0000

 165.9992, 0.2942,

0.3986

204.9608, 0.2956,
0.3935

■ 19.5716, 0.2678,
0.4839

■ 19.5716, 0.2678,
0.4839

■ 19.5693, 0.2678,
0.4842

■ 19.7621, 0.2659,
0.4670

■ 20.0238, 0.2654,
0.4496

■ 20.3887, 0.2667,
0.4319

■ 20.8685, 0.2699,
0.4145

■ 21.4733, 0.2747,
0.3975

■ 22.2121, 0.2809,
0.3815

■ 23.0929, 0.2880,
0.3665

■ 24.1231, 0.2959,
0.3526

■ 25.3096, 0.3043,
0.3401

Harmonies

Analogous

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



19.5716, 0.3601, 0.5172



19.5716, 0.2678, 0.4839



19.5716, 0.1929, 0.3779

Triad

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



19.5716, 0.2678, 0.4839



19.5716, 0.1786, 0.1848



19.5716, 0.5025, 0.3393

Complementary

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



19.5716, 0.2678, 0.4839



6.0522, 0.5068, 0.2567

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.



19.5716, 0.4377, 0.2752



19.5716, 0.2678, 0.4839



19.5716, 0.2406, 0.1910

Square

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



19.5716, 0.2678, 0.4839



19.5716, 0.1502, 0.2089



19.5716, 0.3348, 0.2228



19.5716, 0.5012, 0.4086

Rectangle

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



19.5716, 0.2678, 0.4839



19.5716, 0.1626, 0.3035



19.5716, 0.3348, 0.2228



19.5716, 0.4878, 0.3172

Sweetspot

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



19.5724, 0.2678, 0.4839



41.2189, 0.2874, 0.3676



20.2054, 0.3337, 0.5730



9.0712, 0.2847, 0.3731



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.



19.5724, 0.2678, 0.4839



35.0122, 0.2688, 0.4876



19.6192, 0.2219, 0.3188



6.0749, 0.3048, 0.3393



17.8474, 0.2677, 0.4836



0.1751, 0.2472, 0.4099

Inverse Universe

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



6.0522, 0.5068, 0.2567



10.7936, 0.5120, 0.2594



5.7701, 0.6363, 0.3326



5.4629, 0.3214, 0.3189



5.5157, 0.5064, 0.2563



0.0571, 0.4131, 0.2050

Previews

White Background



This preview shows how the Yxy color 19.5716, 0.2678, 0.4839 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 19.5716, 0.2678, 0.4839 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 19.5716, 0.2678, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 19.5716, 0.2678, 0.4839.



This preview shows how white text looks on a background with the Yxy color 19.5716, 0.2678, 0.4839.

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

19.5716, 0.2678, 0.4839

Protanopia

19.4171, 0.3908, 0.4247

Deuteranopia

19.2110, 0.3965, 0.3882



Tritanopia

19.5456, 0.2333, 0.3063

Trichromacy



Original Color

19.5716, 0.2678, 0.4839



Protanomaly

18.0997, 0.3206, 0.4546



Deuteranomaly

17.5736, 0.3231, 0.4271



Tritanomaly

19.2803, 0.2433, 0.3667

Monochromacy



Original Color

19.5716, 0.2678, 0.4839



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.7536, 0.2779, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5716, 0.2678, 0.4839 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 76) }
```

Border

The CSS property to change the border of an element to Yxy 19.5716, 0.2678, 0.4839 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, 76) }
```

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

```
.border{ border-color:rgb(0, 141, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5716, 0.2678, 0.4839 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, 76) }
```

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

```
.background{ background-color: rgb(0, 141,  
76) }
```

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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