

Converting Colors

$Yxy(17.4079, 0.1870, 0.4710)$

Have a look what the booklet for
Yxy(17.4079, 0.1870, 0.4710)
contains.

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Color

$Y_{xy}(19.7879, 0.2581, 0.4492)$

Conversions

Conversions Part 1

Format	Color
Hex	008D5A
RGB	0, 141, 90
RGB Percent	0%, 55%, 35%
CMY	1.0000, 0.4470, 0.6470
CMYK	1.00, 0.00, 0.36, 0.45
HSL	158°, 100%, 28%
HSV	158°, 100%, 55%
XYZ	11.3697, 19.7879, 12.8939
YIQ	93.0270, -67.6650, -45.7530

Conversions

Conversions Part 2

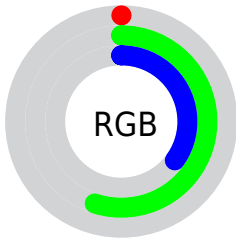
Format	Color
RYB	0, 86, 141
Decimal	36186
CIELab	51.60, -45.00, 18.33
CIELCh	52, 48.593, 157.836
Yxy	19.7879, 0.2581, 0.4492
Android (android.graphics.Color)	4278226266 (0xFF008D5A)
YUV	93.0270, -1.4923, -81.5847
Hunter-Lab	44.4836, -32.2230, 13.9529

Details

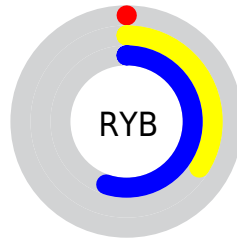
The Yxy color **19.7879, 0.2581, 0.4492** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.9021, 0.5478, 0.2791**, and the grayscale version is **10.9690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2123, 0.2724, 0.4198**, and **7.3266, 0.2696, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **19.7892, 0.2581, 0.4492**, and if you desaturate by 10%, it is **19.9732, 0.2570, 0.4357**.

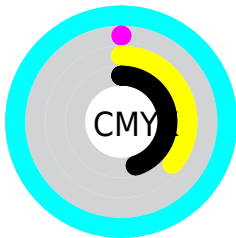
Distribution



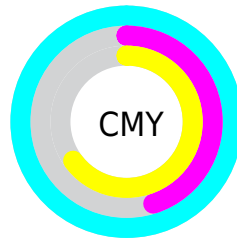
- Red (0%)
- Green (55%)
- Blue (35%)



- Red (0%)
- Yellow (34%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7879, 0.2581, 0.4492 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 19.7879, 0.2581, 0.4492 by changing the saturation by 10% instead.


 19.7879, 0.2581,
0.4492


 19.7879, 0.2581,
0.4492


250.7646, 0.2913,
0.3764


 12.2410, 0.2470,
0.4735


 43.0613, 0.2720,
0.4188


 6.9080, 0.2304,
0.5096


 59.5565, 0.2766,
0.4086


 3.4046, 0.2035,
0.5682

 79.8033, 0.2803,
0.4005

 1.3465, 0.0768,
0.8499

 104.1861, 0.2833,
0.3939

 0.1767, 0.0000,
1.0000

 133.0892, 0.2858,
0.3884

 0.0000, 0.0000,
0.0000

 166.8971, 0.2879,

0.3838

205.9941, 0.2897,
0.3798

■ 19.7879, 0.2581,
0.4492

■ 19.7879, 0.2581,
0.4492

■ 19.7892, 0.2581,
0.4492

■ 19.9732, 0.2570,
0.4357

■ 20.2247, 0.2572,
0.4222

■ 20.5757, 0.2593,
0.4085

■ 21.0379, 0.2632,
0.3951

■ 21.6212, 0.2689,
0.3822

■ 22.3344, 0.2759,
0.3698

■ 23.1856, 0.2841,
0.3583

■ 24.1819, 0.2931,
0.3476

■ 25.3304, 0.3028,
0.3378

Harmonies

Analogous

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



19.7879, 0.3410, 0.4960



19.7879, 0.2581, 0.4492



19.7879, 0.1948, 0.3523

Triad

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



19.7879, 0.2581, 0.4492



19.7879, 0.1998, 0.1965



19.7879, 0.4874, 0.3538

Complementary

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



19.7879, 0.2581, 0.4492



5.9021, 0.5478, 0.2791

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.



19.7879, 0.4400, 0.2926



19.7879, 0.2581, 0.4492



19.7879, 0.2635, 0.2070

Square

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



19.7879, 0.2581, 0.4492



19.7879, 0.1670, 0.2136



19.7879, 0.3524, 0.2410



19.7879, 0.4769, 0.4178

Rectangle

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



19.7879, 0.2581, 0.4492



19.7879, 0.1709, 0.2902



19.7879, 0.3524, 0.2410



19.7879, 0.4779, 0.3328

Sweetspot

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



19.7892, 0.2581, 0.4492



41.4134, 0.2835, 0.3590



19.7731, 0.3219, 0.5826



9.1189, 0.2804, 0.3632



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.



19.7892, 0.2581, 0.4492



35.4040, 0.2589, 0.4519



15.8923, 0.2131, 0.2872



6.0837, 0.3036, 0.3371



18.0461, 0.2580, 0.4487



0.1768, 0.2412, 0.3884

Inverse Universe

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



5.9021, 0.5478, 0.2791



10.5392, 0.5531, 0.2820



6.1221, 0.6256, 0.3415



5.4543, 0.3228, 0.3211



5.3841, 0.5468, 0.2786



0.0554, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 19.7879, 0.2581, 0.4492 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 19.7879, 0.2581, 0.4492 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 19.7879, 0.2581, 0.4492

Background



This preview shows how black text looks on a background with the Yxy color 19.7879, 0.2581, 0.4492.



This preview shows how white text looks on a background with the Yxy color 19.7879, 0.2581, 0.4492.

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

19.7879, 0.2581, 0.4492

Protanopia

19.5148, 0.3746, 0.4027

Deuteranopia

19.3884, 0.3751, 0.3681



Tritanopia

19.7726, 0.2317, 0.3064

Trichromacy



Original Color

19.7879, 0.2581, 0.4492



Protanomaly

18.2877, 0.3082, 0.4258



Deuteranomaly

17.9362, 0.3071, 0.4005



Tritanomaly

19.6791, 0.2389, 0.3551

Monochromacy



Original Color

19.7879, 0.2581, 0.4492



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

12.8544, 0.2716, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7879, 0.2581, 0.4492 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 90) }
```

Border

The CSS property to change the border of an element to Yxy 19.7879, 0.2581, 0.4492 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, 90) }
```

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

```
.border{ border-color:rgb(0, 141, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7879, 0.2581, 0.4492 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, 90) }
```

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

```
.background{ background-color: rgb(0, 141,  
90) }
```

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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