

Converting Colors

$Yxy(19.6315, 0.2553, 0.4391)$

Have a look what the booklet for
Yxy(19.6315, 0.2553, 0.4391)
contains.

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Color

Yxy(19.5643, 0.2548, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	008C5E
RGB	0, 140, 94
RGB Percent	0%, 55%, 37%
CMY	1.0000, 0.4510, 0.6313
CMYK	1.00, 0.00, 0.33, 0.45
HSL	160°, 100%, 27%
HSV	160°, 100%, 55%
XYZ	11.3969, 19.5643, 13.7675
YIQ	92.8960, -68.6740, -43.9860

Conversions

Conversions Part 2

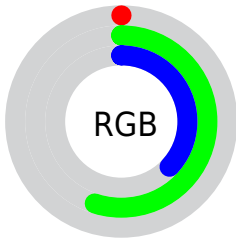
Format	Color
RYB	0, 84, 140
Decimal	35934
CIELab	51.34, -43.70, 15.72
CIELCh	51, 46.447, 160.215
Yxy	19.5643, 0.2548, 0.4374
Android (android.graphics.Color)	4278226014 (0xFF008C5E)
YUV	92.8960, 0.5443, -81.4698
Hunter-Lab	44.2315, -31.4123, 12.5075

Details

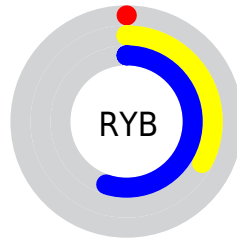
The Yxy color **19.5643, 0.2548, 0.4374** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.7732, 0.5603, 0.2860**, and the grayscale version is **10.9327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9135, 0.2693, 0.4099**, and **7.1928, 0.2649, 0.4736** is the 20% darker color. If you saturate the color by 10%, you get **19.5664, 0.2548, 0.4374**, and if you desaturate by 10%, it is **19.7448, 0.2540, 0.4252**.

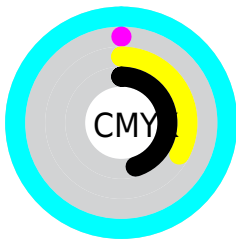
Distribution



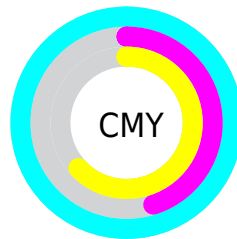
- Red (0%)
- Green (55%)
- Blue (37%)



- Red (0%)
- Yellow (33%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5643, 0.2548, 0.4374 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 19.5643, 0.2548, 0.4374 by changing the saturation by 10% instead.


 19.5643, 0.2548,
0.4374


 19.5643, 0.2548,
0.4374


249.5466, 0.2895,
0.3719


 12.0787, 0.2434,
0.4592


 42.6855, 0.2692,
0.4101


 6.7973, 0.2267,
0.4916


 59.0899, 0.2740,
0.4010


 3.3357, 0.2000,
0.5442

 79.2360, 0.2779,
0.3937

 1.3094, 0.0742,
0.7686

 103.5083, 0.2810,
0.3878

 0.1485, 0.0000,
1.0000

 132.2911, 0.2837,
0.3828

 0.0000, 0.0000,
0.0000

 165.9688, 0.2859,

0.3786

204.9258, 0.2878,
0.3750

■ 19.5643, 0.2548,
0.4374

■ 19.5643, 0.2548,
0.4374

■ 19.5664, 0.2548,
0.4374

■ 19.7448, 0.2540,
0.4252

■ 19.9884, 0.2545,
0.4130

■ 20.3290, 0.2569,
0.4007

■ 20.7778, 0.2611,
0.3887

■ 21.3448, 0.2670,
0.3770

■ 22.0385, 0.2743,
0.3659

■ 22.8667, 0.2829,
0.3555

■ 23.8366, 0.2923,
0.3458

■ 24.9548, 0.3023,
0.3370

Harmonies

Analogous

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



19.5643, 0.3343, 0.4878



19.5643, 0.2548, 0.4374



19.5643, 0.1956, 0.3441

Triad

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



19.5643, 0.2548, 0.4374



19.5643, 0.2075, 0.2008



19.5643, 0.4819, 0.3587

Complementary

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



19.5643, 0.2548, 0.4374



5.7732, 0.5603, 0.2860

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.



19.5643, 0.4404, 0.2988



19.5643, 0.2548, 0.4374



19.5643, 0.2717, 0.2128

Square

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



19.5643, 0.2548, 0.4374



19.5643, 0.1732, 0.2154



19.5643, 0.3582, 0.2474



19.5643, 0.4683, 0.4206

Rectangle

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



19.5643, 0.2548, 0.4374



19.5643, 0.1740, 0.2860



19.5643, 0.3582, 0.2474



19.5643, 0.4741, 0.3382

Sweetspot

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



19.5664, 0.2548, 0.4374



40.2115, 0.2823, 0.3561



19.3545, 0.3186, 0.5852



9.1352, 0.2790, 0.3599



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.



19.5664, 0.2548, 0.4374



34.4626, 0.2555, 0.4398



14.5399, 0.2101, 0.2762



5.6611, 0.3032, 0.3363



17.3876, 0.2547, 0.4368



0.1182, 0.2394, 0.3819

Inverse Universe

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



5.7732, 0.5603, 0.2860



10.1506, 0.5655, 0.2889



6.2022, 0.6203, 0.3457



5.0739, 0.3233, 0.3218



5.1326, 0.5590, 0.2853



0.0366, 0.4537, 0.2273

Previews

White Background



This preview shows how the Yxy color 19.5643, 0.2548, 0.4374 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 19.5643, 0.2548, 0.4374 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 19.5643, 0.2548, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 19.5643, 0.2548, 0.4374.



This preview shows how white text looks on a background with the Yxy color 19.5643, 0.2548, 0.4374.

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

19.5643, 0.2548, 0.4374

Protanopia

19.4162, 0.3672, 0.3961

Deuteranopia

19.2862, 0.3672, 0.3613



Tritanopia

19.7229, 0.2307, 0.3063

Trichromacy



Original Color

19.5643, 0.2548, 0.4374



Protanomaly

18.2608, 0.3021, 0.4173



Deuteranomaly

17.7040, 0.3018, 0.3898



Tritanomaly

19.4060, 0.2374, 0.3507

Monochromacy



Original Color

19.5643, 0.2548, 0.4374



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

12.8720, 0.2706, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5643, 0.2548, 0.4374 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, 140, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 94)  
}
```

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, 140, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 94) }
```

Border

The CSS property to change the border of an element to Yxy 19.5643, 0.2548, 0.4374 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, 140, 94) }
```

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

```
.border{ border-color:rgb(0, 140, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5643, 0.2548, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 94) }
```

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

```
.background{ background-color: rgb(0, 140,  
94) }
```

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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