

Converting Colors

$Y_{xy}(19.4770, 0.2616, 0.4618)$

Have a look what the booklet for
Yxy(19.4770, 0.2616, 0.4618)
contains.

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Color

Yxy(19.3963, 0.2618, 0.4626)

Conversions

Conversions Part 1

Format	Color
Hex	008C54
RGB	0, 140, 84
RGB Percent	0%, 55%, 33%
CMY	1.0000, 0.4510, 0.6705
CMYK	1.00, 0.00, 0.40, 0.45
HSL	156°, 100%, 27%
HSV	156°, 100%, 55%
XYZ	10.9770, 19.3963, 11.5556
YIQ	91.7560, -65.4640, -47.0960

Conversions

Conversions Part 2

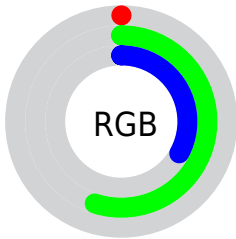
Format	Color
RYB	0, 88, 140
Decimal	35924
CIELab	51.15, -45.94, 21.08
CIELCh	51, 50.544, 155.349
Yxy	19.3963, 0.2618, 0.4626
Android (android.graphics.Color)	4278226004 (0xFF008C54)
YUV	91.7560, -3.8237, -80.4700
Hunter-Lab	44.0412, -32.5822, 15.2723

Details

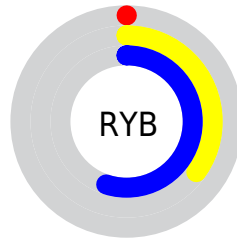
The Yxy color **19.3963, 0.2618, 0.4626** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.8614, 0.5324, 0.2707**, and the grayscale version is **10.6649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5453, 0.2753, 0.4290**, and **7.1194, 0.2750, 0.5098** is the 20% darker color. If you saturate the color by 10%, you get **19.3983, 0.2618, 0.4626**, and if you desaturate by 10%, it is **19.5829, 0.2604, 0.4477**.

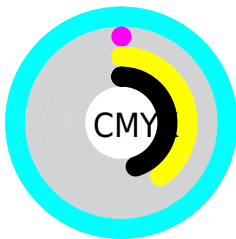
Distribution



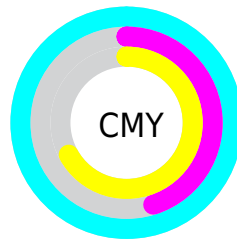
- Red (0%)
- Green (55%)
- Blue (33%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (45%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3963, 0.2618, 0.4626 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 19.3963, 0.2618, 0.4626 by changing the saturation by 10% instead.


 19.3963, 0.2618,
0.4626


 19.3963, 0.2618,
0.4626


248.6279, 0.2934,
0.3811


 11.9570, 0.2508,
0.4901


 42.4027, 0.2753,
0.4284


 6.7144, 0.2340,
0.5311


 58.7385, 0.2797,
0.4170


 3.2841, 0.2060,
0.5976

 78.8087, 0.2832,
0.4080

 1.2818, 0.0387,
0.9613

 102.9976, 0.2860,
0.4006

 0.1271, 0.0000,
1.0000

 131.6895, 0.2884,
0.3945

 0.0000, 0.0000,
0.0000

 165.2690, 0.2903,

0.3893

204.1203, 0.2920,
0.3849

■ 19.3963, 0.2618,
0.4626

■ 19.3963, 0.2618,
0.4626

■ 19.3983, 0.2618,
0.4626

■ 19.5829, 0.2604,
0.4477

■ 19.8349, 0.2603,
0.4327

■ 20.1861, 0.2621,
0.4175

■ 20.6479, 0.2658,
0.4025

■ 21.2302, 0.2711,
0.3881

■ 21.9417, 0.2778,
0.3743

■ 22.7901, 0.2856,
0.3614

■ 23.7829, 0.2941,
0.3496

■ 24.9266, 0.3033,
0.3388

Harmonies

Analogous

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



19.3963, 0.3485, 0.5047



19.3963, 0.2618, 0.4626



19.3963, 0.1939, 0.3619

Triad

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



19.3963, 0.2618, 0.4626



19.3963, 0.1914, 0.1918



19.3963, 0.4935, 0.3482

Complementary

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



19.3963, 0.2618, 0.4626



5.8614, 0.5324, 0.2707

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.



19.3963, 0.4394, 0.2858



19.3963, 0.2618, 0.4626



19.3963, 0.2545, 0.2006

Square

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



19.3963, 0.2618, 0.4626



19.3963, 0.1603, 0.2116



19.3963, 0.3457, 0.2338



19.3963, 0.4865, 0.4145

Rectangle

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



19.3963, 0.2618, 0.4626



19.3963, 0.1676, 0.2951



19.3963, 0.3457, 0.2338



19.3963, 0.4820, 0.3267

Sweetspot

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



19.3983, 0.2618, 0.4626



40.0744, 0.2850, 0.3622



19.5988, 0.3256, 0.5796



9.1004, 0.2820, 0.3669



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.



19.3983, 0.2618, 0.4626



34.1646, 0.2627, 0.4655



16.8167, 0.2161, 0.2980



5.6553, 0.3041, 0.3379



17.2386, 0.2616, 0.4619



0.1174, 0.2434, 0.3963

Inverse Universe

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



5.8614, 0.5324, 0.2707



10.3030, 0.5375, 0.2735



5.8901, 0.6299, 0.3381



5.0796, 0.3222, 0.3203



5.2114, 0.5312, 0.2700



0.0374, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 19.3963, 0.2618, 0.4626 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 19.3963, 0.2618, 0.4626 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 19.3963, 0.2618, 0.4626

Background



This preview shows how black text looks on a background with the Yxy color 19.3963, 0.2618, 0.4626.



This preview shows how white text looks on a background with the Yxy color 19.3963, 0.2618, 0.4626.

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

19.3963, 0.2618, 0.4626

Protanopia

19.1161, 0.3798, 0.4103

Deuteranopia

19.0686, 0.3821, 0.3752



Tritanopia

19.4925, 0.2323, 0.3063

Trichromacy



Original Color

19.3963, 0.2618, 0.4626



Protanomaly

17.9023, 0.3120, 0.4356



Deuteranomaly

17.5960, 0.3124, 0.4099



Tritanomaly

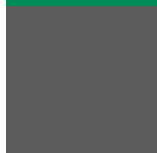
19.3205, 0.2405, 0.3598

Monochromacy



Original Color

19.3963, 0.2618, 0.4626



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.5884, 0.2745, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3963, 0.2618, 0.4626 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 84) }
```

Border

The CSS property to change the border of an element to Yxy 19.3963, 0.2618, 0.4626 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, 84) }
```

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

```
.border{ border-color:rgb(0, 140, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.3963, 0.2618, 0.4626 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, 84) }
```

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

```
.background{ background-color: rgb(0, 140,  
84) }
```

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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