

Converting Colors

$Yxy(18.9951, 0.2365, 0.4124)$

Have a look what the booklet for
Yxy(18.9951, 0.2365, 0.4124)
contains.

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Color

Yxy(19.4647, 0.2473, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	008B68
RGB	0, 139, 104
RGB Percent	0%, 55%, 41%
CMY	1.0000, 0.4549, 0.5922
CMYK	1.00, 0.00, 0.25, 0.45
HSL	165°, 100%, 27%
HSV	165°, 100%, 55%
XYZ	11.7291, 19.4647, 16.2348
YIQ	93.4490, -71.6090, -40.3530

Conversions

Conversions Part 2

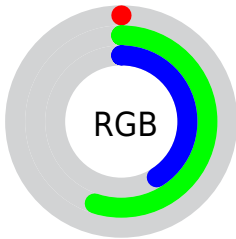
Format	Color
RYB	0, 80, 139
Decimal	35688
CIELab	51.23, -40.84, 9.85
CIELCh	51, 42.011, 166.434
Yxy	19.4647, 0.2473, 0.4104
Android (android.graphics.Color)	4278225768 (0xFF008B68)
YUV	93.4490, 5.2016, -81.9548
Hunter-Lab	44.1188, -29.7533, 9.0657

Details

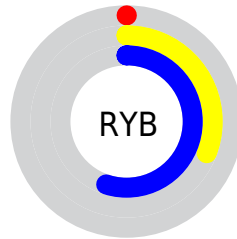
The Yxy color **19.4647, 0.2473, 0.4104** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.6110, 0.5869, 0.3007**, and the grayscale version is **11.0580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3455, 0.2630, 0.3900**, and **7.2749, 0.2554, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **19.4668, 0.2473, 0.4104**, and if you desaturate by 10%, it is **19.6320, 0.2472, 0.4013**.

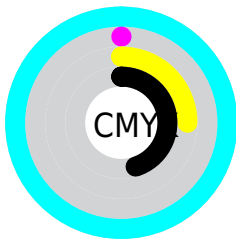
Distribution



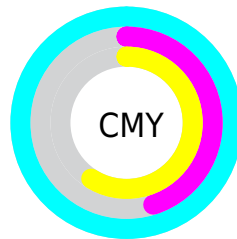
- Red (0%)
- Green (55%)
- Blue (41%)



- Red (0%)
- Yellow (31%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4647, 0.2473, 0.4104 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 19.4647, 0.2473, 0.4104 by changing the saturation by 10% instead.


 19.4647, 0.2473,
0.4104


 19.4647, 0.2473,
0.4104


249.0023, 0.2855,
0.3619


 12.0065, 0.2354,
0.4262


 42.5179, 0.2628,
0.3904

 6.7481, 0.2182,
0.4495


 58.8817, 0.2681,
0.3836


 3.3051, 0.1917,
0.4868

 78.9828, 0.2724,
0.3782

 1.2930, 0.0861,
0.6037

 103.2057, 0.2759,
0.3738

 0.1358, 0.0000,
1.0000

 131.9346, 0.2789,
0.3701

 0.0000, 0.0000,
0.0000

 165.5542, 0.2814,

0.3669

204.4486, 0.2836,
0.3642

■ 19.4647, 0.2473,
0.4104

■ 19.4647, 0.2473,
0.4104

■ 19.4668, 0.2473,
0.4104

■ 19.6320, 0.2472,
0.4013

■ 19.8592, 0.2483,
0.3921

■ 20.1797, 0.2513,
0.3830

■ 20.6048, 0.2562,
0.3740

■ 21.1440, 0.2627,
0.3653

■ 21.8056, 0.2707,
0.3570

■ 22.5974, 0.2800,
0.3491

■ 23.5264, 0.2903,
0.3418

■ 24.5990, 0.3013,
0.3351

Harmonies

Analogous

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



19.4647, 0.3182, 0.4671



19.4647, 0.2473, 0.4104



19.4647, 0.1978, 0.3262

Triad

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



19.4647, 0.2473, 0.4104



19.4647, 0.2264, 0.2111



19.4647, 0.4682, 0.3702

Complementary

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



19.4647, 0.2473, 0.4104



5.6110, 0.5869, 0.3007

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.



19.4647, 0.4401, 0.3133



19.4647, 0.2473, 0.4104



19.4647, 0.2910, 0.2269

Square

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



19.4647, 0.2473, 0.4104



19.4647, 0.1883, 0.2198



19.4647, 0.3712, 0.2630



19.4647, 0.4478, 0.4262

Rectangle

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



19.4647, 0.2473, 0.4104



19.4647, 0.1815, 0.2771



19.4647, 0.3712, 0.2630



19.4647, 0.4644, 0.3509

Sweetspot

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



19.4668, 0.2473, 0.4104



40.3635, 0.2794, 0.3496



18.8620, 0.3127, 0.5899



9.1739, 0.2758, 0.3525



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.



19.4668, 0.2473, 0.4104



34.8301, 0.2479, 0.4123



12.2907, 0.2038, 0.2537



5.6675, 0.3022, 0.3346



17.5705, 0.2472, 0.4100



0.1191, 0.2355, 0.3677

Inverse Universe

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



5.6110, 0.5869, 0.3007



10.0239, 0.5921, 0.3035



6.5462, 0.6075, 0.3558



5.0679, 0.3244, 0.3235



5.0661, 0.5859, 0.3001



0.0357, 0.4833, 0.2436

Previews

White Background



This preview shows how the Yxy color 19.4647, 0.2473, 0.4104 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 19.4647, 0.2473, 0.4104 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 19.4647, 0.2473, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 19.4647, 0.2473, 0.4104.



This preview shows how white text looks on a background with the Yxy color 19.4647, 0.2473, 0.4104.

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

19.4647, 0.2473, 0.4104

Protanopia

19.1864, 0.3529, 0.3761

Deuteranopia

19.2300, 0.3502, 0.3435



Tritanopia

19.6524, 0.2293, 0.3062

Trichromacy



Original Color

19.4647, 0.2473, 0.4104

Protanomaly

18.1330, 0.2913, 0.3927

Deuteranomaly

17.8035, 0.2894, 0.3677

Tritanomaly

19.4812, 0.2340, 0.3418

Monochromacy



Original Color

19.4647, 0.2473, 0.4104

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.9447, 0.2665, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4647, 0.2473, 0.4104 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, 139, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 104)  
}
```

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, 139, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 104) }
```

Border

The CSS property to change the border of an element to Yxy 19.4647, 0.2473, 0.4104 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, 139, 104) }
```

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

```
.border{ border-color:rgb(0, 139, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4647, 0.2473, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 104) }
```

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

```
.background{ background-color: rgb(0, 139,  
104) }
```

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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