

Converting Colors

$Y_{xy}(17.6718, 0.2068, 0.4037)$

Have a look what the booklet for
Yxy(17.6718, 0.2068, 0.4037)
contains.

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Color

Yxy(18.9740, 0.2435, 0.3964)

Conversions

Conversions Part 1

Format	Color
Hex	00896C
RGB	0, 137, 108
RGB Percent	0%, 54%, 42%
CMY	0.9988, 0.4628, 0.5765
CMYK	1.00, 0.00, 0.21, 0.46
HSL	167°, 100%, 27%
HSV	167°, 100%, 54%
XYZ	11.6553, 18.9740, 17.2365
YIQ	92.7310, -72.3430, -38.0630

Conversions

Conversions Part 2

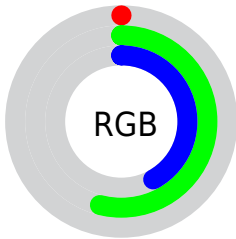
Format	Color
RYB	0, 77, 137
Decimal	35180
CIELab	50.66, -38.91, 6.73
CIELCh	51, 39.484, 170.180
Yxy	18.9740, 0.2435, 0.3964
Android (android.graphics.Color)	4278225260 (0xFF00896C)
YUV	92.7310, 7.5276, -81.3251
Hunter-Lab	43.5592, -28.4665, 7.0302

Details

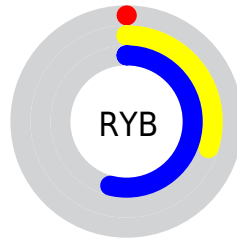
The Yxy color **18.9740, 0.2435, 0.3964** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.4148, 0.5981, 0.3071**, and the grayscale version is **10.8970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5586, 0.2597, 0.3804**, and **6.9925, 0.2496, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **18.9714, 0.2435, 0.3966**, and if you desaturate by 10%, it is **19.1291, 0.2437, 0.3889**.

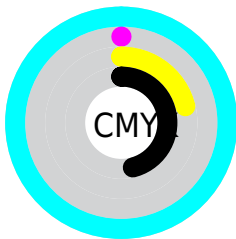
Distribution



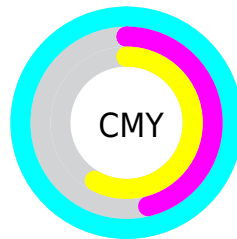
- Red (0%)
- Green (54%)
- Blue (42%)



- Red (0%)
- Yellow (30%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (46%)




- Cyan (100%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9740, 0.2435, 0.3964 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 18.9740, 0.2435, 0.3964 by changing the saturation by 10% instead.


 18.9740, 0.2435,
0.3964


 18.9740, 0.2435,
0.3964


246.3052, 0.2836,
0.3565


 11.6515, 0.2311,
0.4092


 41.6902, 0.2597,
0.3800


 6.5068, 0.2134,
0.4280


 57.8526, 0.2652,
0.3745


 3.1556, 0.1864,
0.4580

 77.7305, 0.2697,
0.3700

 1.2135, 0.0780,
0.5519

 101.7082, 0.2735,
0.3664

 0.0727, 0.0000,
1.0000

 130.1701, 0.2766,
0.3633

 0.0000, 0.0000,
0.0000

 163.5007, 0.2793,

0.3607

202.0842, 0.2816,
0.3585

■ 18.9740, 0.2435,
0.3964

■ 18.9740, 0.2435,
0.3964

■ 18.9714, 0.2435,
0.3966

■ 19.1291, 0.2437,
0.3889

■ 19.3434, 0.2453,
0.3813

■ 19.6475, 0.2486,
0.3738

■ 20.0521, 0.2538,
0.3663

■ 20.5664, 0.2607,
0.3591

■ 21.1983, 0.2691,
0.3522

■ 21.9553, 0.2788,
0.3457

■ 22.8441, 0.2896,
0.3396

■ 23.8710, 0.3010,
0.3340

Harmonies

Analogous

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



18.9740, 0.3096, 0.4552



18.9740, 0.2435, 0.3964



18.9740, 0.1993, 0.3173

Triad

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



18.9740, 0.2435, 0.3964



18.9740, 0.2369, 0.2169



18.9740, 0.4605, 0.3762

Complementary

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



18.9740, 0.2435, 0.3964



5.4148, 0.5981, 0.3071

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.



18.9740, 0.4393, 0.3212



18.9740, 0.2435, 0.3964



18.9740, 0.3014, 0.2347

Square

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



18.9740, 0.2435, 0.3964



18.9740, 0.1969, 0.2224



18.9740, 0.3778, 0.2715



18.9740, 0.4365, 0.4284

Rectangle

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



18.9740, 0.2435, 0.3964



18.9740, 0.1858, 0.2727



18.9740, 0.3778, 0.2715



18.9740, 0.4587, 0.3577

Sweetspot

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



18.9747, 0.2435, 0.3964



39.1916, 0.2779, 0.3463



18.1655, 0.3092, 0.5925



8.6757, 0.2743, 0.3486



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9747, 0.2435, 0.3964



33.9526, 0.2439, 0.3982



10.5933, 0.1992, 0.2367



5.6708, 0.3017, 0.3337



17.6749, 0.2434, 0.3963



0.1195, 0.2336, 0.3608

Inverse Universe

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



5.4148, 0.5981, 0.3071



9.6633, 0.6037, 0.3099



6.7719, 0.5954, 0.3651



5.0648, 0.3249, 0.3244



5.0385, 0.5981, 0.3068



0.0353, 0.5010, 0.2534

Previews

White Background



This preview shows how the Yxy color 18.9740, 0.2435, 0.3964 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 18.9740, 0.2435, 0.3964 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 18.9740, 0.2435, 0.3964

Background



This preview shows how black text looks on a background with the Yxy color 18.9740, 0.2435, 0.3964.



This preview shows how white text looks on a background with the Yxy color 18.9740, 0.2435, 0.3964.

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

18.9740, 0.2435, 0.3964

Protanopia

18.8458, 0.3470, 0.3690

Deuteranopia

18.7514, 0.3400, 0.3346



Tritanopia

18.9779, 0.2283, 0.3059

Trichromacy



Original Color

18.9740, 0.2435, 0.3964

Protanomaly

17.6303, 0.2871, 0.3820

Deuteranomaly

17.4943, 0.2821, 0.3570

Tritanomaly

18.8949, 0.2323, 0.3375

Monochromacy



Original Color

18.9740, 0.2435, 0.3964

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.7489, 0.2651, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9740, 0.2435, 0.3964 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, 137, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 108)  
}
```

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, 137, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 108) }
```

Border

The CSS property to change the border of an element to Yxy 18.9740, 0.2435, 0.3964 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, 137, 108) }
```

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

```
.border{ border-color:rgb(0, 137, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9740, 0.2435, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 108) }
```

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

```
.background{ background-color: rgb(0, 137,  
108) }
```

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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