

Converting Colors

$Y_{xy}(9.1979, 0.1159, 0.3918)$

Have a look what the booklet for
Yxy(9.1979, 0.1159, 0.3918)
contains.

Yxy(11.4805, 0.2380, 0.3769)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.4805, 0.2380, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	006C5B
RGB	0, 108, 91
RGB Percent	0%, 42%, 36%
CMY	1.0000, 0.5764, 0.6432
CMYK	1.00, 0.00, 0.16, 0.58
HSL	171°, 100%, 21%
HSV	171°, 100%, 42%
XYZ	7.2496, 11.4805, 11.7303
YIQ	73.7700, -58.9110, -28.1830

Conversions

Conversions Part 2

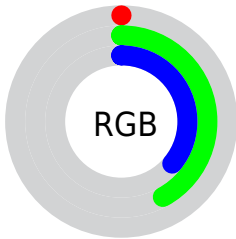
Format	Color
RYB	0, 59, 108
Decimal	27739
CIELab	40.38, -30.96, 2.04
CIELCh	40, 31.032, 176.234
Yxy	11.4805, 0.2380, 0.3769
Android (android.graphics.Color)	4278217819 (0xFF006C5B)
YUV	73.7700, 8.4944, -64.6963
Hunter-Lab	33.8829, -21.1033, 3.1918

Details

The Yxy color **11.4805, 0.2380, 0.3769** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.2290, 0.6081, 0.3123**, and the grayscale version is **6.7981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4812, 0.2572, 0.3640**, and **3.3174, 0.2434, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **11.4817, 0.2380, 0.3769**, and if you desaturate by 10%, it is **11.5812, 0.2394, 0.3715**.

Distribution



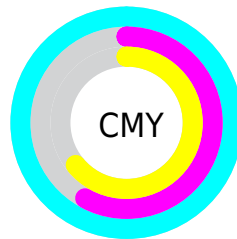
- Red (0%)
- Green (42%)
- Blue (36%)



- Red (0%)
- Yellow (23%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (64%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4805, 0.2380, 0.3769 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 11.4805, 0.2380, 0.3769 by changing the saturation by 10% instead.


 11.4805, 0.2380,
0.3769


 11.4805, 0.2380,
0.3769


 200.9350, 0.2838,
0.3472


 6.3910, 0.2222,
0.3874


 28.5453, 0.2574,
0.3642


 3.0843, 0.1983,
0.4037

 41.2895, 0.2638,
0.3601


 1.1759, 0.1279,
0.4475

 57.3539, 0.2688,
0.3568

 0.0419, 0.0000,
1.0000


 77.1231, 0.2729,
0.3542


 0.0000, 0.0000,
0.0000


 100.9814, 0.2763,
0.3520


 129.3133, 0.2792,


0.3501


 162.5030, 0.2817,
0.3486


 11.4805, 0.2380,
0.3769


 11.4805, 0.2380,
0.3769


 11.4817, 0.2380,
0.3769

 11.5812, 0.2394,
0.3715

 11.7078, 0.2416,
0.3662

 11.8864, 0.2456,
0.3609

 12.1225, 0.2513,
0.3557

 12.4213, 0.2586,
0.3506

■ 12.7871, 0.2674,
0.3457

■ 13.2241, 0.2774,
0.3411

■ 13.7360, 0.2885,
0.3367

■ 14.3261, 0.3003,
0.3327

Harmonies

Analogous

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



11.4805, 0.2971, 0.4377



11.4805, 0.2380, 0.3769



11.4805, 0.2013, 0.3051

Triad

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



11.4805, 0.2380, 0.3769



11.4805, 0.2525, 0.2253



11.4805, 0.4492, 0.3847

Complementary

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



11.4805, 0.2380, 0.3769



3.2290, 0.6081, 0.3123

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.



11.4805, 0.4378, 0.3327



11.4805, 0.2380, 0.3769



11.4805, 0.3166, 0.2461

Square

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



11.4805, 0.2380, 0.3769



11.4805, 0.2095, 0.2261



11.4805, 0.3869, 0.2840



11.4805, 0.4202, 0.4312

Rectangle

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



11.4805, 0.2380, 0.3769



11.4805, 0.1921, 0.2667



11.4805, 0.3869, 0.2840



11.4805, 0.4502, 0.3675

Sweetspot

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



11.4817, 0.2380, 0.3769



23.1465, 0.2766, 0.3414



10.8551, 0.3073, 0.5942



5.5408, 0.2733, 0.3429



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.4817, 0.2380, 0.3769



20.1412, 0.2384, 0.3783



5.7181, 0.1950, 0.2219



3.4841, 0.3016, 0.3323



13.6901, 0.2382, 0.3774



69.6520, 0.2390, 0.3804

Inverse Universe

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



3.2290, 0.6081, 0.3123



5.6555, 0.6135, 0.3154



4.4504, 0.5793, 0.3782



3.1238, 0.3251, 0.3257



3.8480, 0.6100, 0.3134



19.5201, 0.6209, 0.3194

Previews

White Background



This preview shows how the Yxy color 11.4805, 0.2380, 0.3769 looks on a white 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

Black Background



This preview shows how the Yxy color 11.4805, 0.2380, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

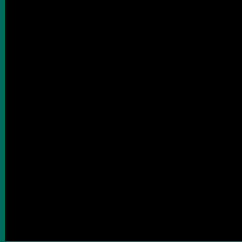
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.4805, 0.2380, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 11.4805, 0.2380, 0.3769.



This preview shows how white text looks on a background with the Yxy color 11.4805, 0.2380, 0.3769.

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

11.4805, 0.2380, 0.3769

Protanopia

11.4772, 0.3351, 0.3548

Deuteranopia

11.4236, 0.3273, 0.3223



Tritanopia

11.5867, 0.2287, 0.3082

Trichromacy



Original Color

11.4805, 0.2380, 0.3769

Protanomaly

10.8592, 0.2789, 0.3637

Deuteranomaly

10.7018, 0.2738, 0.3393

Tritanomaly

11.4767, 0.2308, 0.3314

Monochromacy



Original Color

11.4805, 0.2380, 0.3769

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.8391, 0.2635, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4805, 0.2380, 0.3769 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, 108, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 91)  
}
```

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, 108, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 91) }
```

Border

The CSS property to change the border of an element to Yxy 11.4805, 0.2380, 0.3769 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, 108, 91) }
```

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

```
.border{ border-color:rgb(0, 108, 91) }
```

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

Here you see how a box with a 4 pixel rgb(0, 108, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.4805, 0.2380, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 91) }
```

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

```
.background{ background-color: rgb(0, 108,  
91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor