

# Converting Colors

$Y_{xy}(10.4523, 0.2028, 0.3844)$

Have a look what the booklet for  
Yxy(10.4523, 0.2028, 0.3844)  
contains.

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# Color

**Yxy(11.2367, 0.2390, 0.3803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006B59
RGB	0, 107, 89
RGB Percent	0%, 42%, 35%
CMY	0.9997, 0.5804, 0.6510
CMYK	1.00, 0.00, 0.17, 0.58
HSL	170°, 100%, 21%
HSV	170°, 100%, 42%
XYZ	7.0617, 11.2367, 11.2485
YIQ	72.9550, -57.9940, -28.2820

# Conversions

## Conversions Part 2

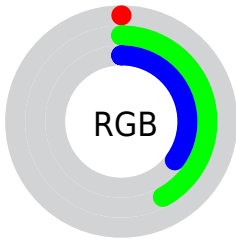
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 58, 107
Decimal	27481
CIELab	39.98, -31.08, 2.67
CIELCh	40, 31.194, 175.096
Yxy	11.2367, 0.2390, 0.3803
Android (android.graphics.Color)	4278217561 (0xFF006B59)
YUV	72.9550, 7.9102, -63.9815
Hunter-Lab	33.5212, -21.0585, 3.5692

# Details

The Yxy color **11.2367, 0.2390, 0.3803** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.1716, 0.6048, 0.3107**, and the grayscale version is **6.6527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0768, 0.2583, 0.3661**, and **3.3098, 0.2449, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **11.2363, 0.2390, 0.3803**, and if you desaturate by 10%, it is **11.3369, 0.2403, 0.3746**.

# Distribution



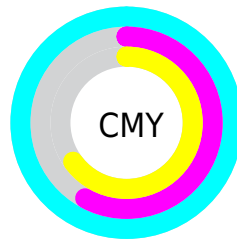
- Red (0%)
- Green (42%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (58%)



- Cyan (100%)
- Magenta (58%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 11.2367, 0.2390, 0.3803 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 11.2367, 0.2390, 0.3803 by changing the saturation by 10% instead.





 11.2367, 0.2390,  
0.3803


 11.2367, 0.2390,  
0.3803


199.2843, 0.2844,  
0.3483


 6.2263, 0.2232,  
0.3918

 28.0970, 0.2583,  
0.3665


 2.9832, 0.1991,  
0.4098


 40.7157, 0.2646,  
0.3621

 1.1229, 0.1197,  
0.4619

 56.6393, 0.2696,  
0.3586


 0.0000, 0.0000,  
0.0000


 76.2522, 0.2737,  
0.3557

 99.9387, 0.2770,  
0.3534


 128.0833, 0.2799,


0.3514


 161.0704, 0.2823,  
0.3497


 11.2367, 0.2390,  
0.3803

 11.2367, 0.2390,  
0.3803


 11.2363, 0.2390,  
0.3803

 11.3369, 0.2403,  
0.3746

 11.4634, 0.2425,  
0.3688

 11.6408, 0.2464,  
0.3632

 11.8747, 0.2520,  
0.3575

 12.1701, 0.2593,  
0.3521

■ 12.5313, 0.2680,  
0.3468

■ 12.9622, 0.2779,  
0.3419

■ 13.4664, 0.2889,  
0.3372

■ 14.0473, 0.3006,  
0.3329

# Harmonies

## Analogous

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



11.2367, 0.2993, 0.4408



11.2367, 0.2390, 0.3803



11.2367, 0.2010, 0.3072

# Triad

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



11.2367, 0.2390, 0.3803



11.2367, 0.2497, 0.2238



11.2367, 0.4512, 0.3832

# Complementary

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



11.2367, 0.2390, 0.3803



3.1716, 0.6048, 0.3107

# 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.



11.2367, 0.4381, 0.3306



11.2367, 0.2390, 0.3803



11.2367, 0.3138, 0.2440

# Square

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



11.2367, 0.2390, 0.3803



11.2367, 0.2073, 0.2255



11.2367, 0.3852, 0.2818



11.2367, 0.4231, 0.4307



# Rectangle

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



11.2367, 0.2390, 0.3803



11.2367, 0.1910, 0.2678



11.2367, 0.3852, 0.2818



11.2367, 0.4517, 0.3657

# Sweetspot

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



11.2371, 0.2390, 0.3803



23.1338, 0.2769, 0.3423



10.6609, 0.3083, 0.5933



5.5375, 0.2737, 0.3439



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.



11.2371, 0.2390, 0.3803



20.1053, 0.2394, 0.3819



5.8461, 0.1966, 0.2278



3.4836, 0.3017, 0.3325



13.6661, 0.2391, 0.3809



69.5241, 0.2401, 0.3842



# Inverse Universe

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



3.1716, 0.6048, 0.3107



5.6615, 0.6109, 0.3139



4.2667, 0.5831, 0.3750



3.1243, 0.3249, 0.3255



3.8523, 0.6073, 0.3119



19.5381, 0.6186, 0.3181



# Previews

## White Background



This preview shows how the Yxy color 11.2367, 0.2390, 0.3803 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 11.2367, 0.2390, 0.3803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

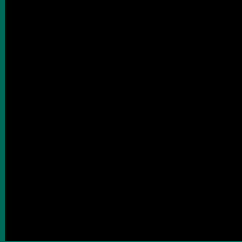
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 11.2367, 0.2390, 0.3803**

## **Background**



This preview shows how black text looks on a background with the Yxy color 11.2367, 0.2390, 0.3803.



This preview shows how white text looks on a background with the Yxy color 11.2367, 0.2390, 0.3803.

# 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

11.2367, 0.2390, 0.3803

### Protanopia

11.2673, 0.3384, 0.3573

### Deuteranopia

11.2155, 0.3306, 0.3245



## Tritanopia

11.3618, 0.2289, 0.3081

# Trichromacy



## Original Color

11.2367, 0.2390, 0.3803

## Protanomaly

10.6363, 0.2810, 0.3667

## Deuteranomaly

10.4803, 0.2759, 0.3421

## Tritanomaly

11.2513, 0.2309, 0.3315

# Monochromacy



## Original Color

11.2367, 0.2390, 0.3803

## Achromatopsia

6.6626, 0.3127, 0.3290

## Achromatomaly

7.6424, 0.2631, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 11.2367, 0.2390, 0.3803 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, 107, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 89)  
}
```

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, 107, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 11.2367, 0.2390, 0.3803 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, 107, 89) }
```

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

```
.border{ border-color:rgb(0, 107, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 89)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 11.2367, 0.2390, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 89) }
```

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

```
.background{ background-color: rgb(0, 107,  
89) }
```

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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