

Converting Colors

$Y_{xy}(8.6088, 0.0740, 0.4442)$

Have a look what the booklet for
Yxy(8.6088, 0.0740, 0.4442)
contains.

Yxy(11.5314, 0.2472, 0.4099)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.5314, 0.2472, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	006D51
RGB	0, 109, 81
RGB Percent	0%, 43%, 32%
CMY	1.0000, 0.5725, 0.6823
CMYK	1.00, 0.00, 0.26, 0.57
HSL	165°, 100%, 21%
HSV	165°, 100%, 43%
XYZ	6.9543, 11.5314, 9.6465
YIQ	73.2170, -55.9760, -31.8160

Conversions

Conversions Part 2

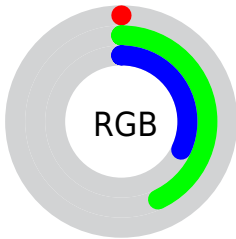
Format	Color
RYB	0, 63, 109
Decimal	27985
CIELab	40.46, -34.24, 8.19
CIELCh	40, 35.208, 166.552
Yxy	11.5314, 0.2472, 0.4099
Android (android.graphics.Color)	4278218065 (0xFF006D51)
YUV	73.2170, 3.8370, -64.2113
Hunter-Lab	33.9579, -22.8711, 6.9278

Details

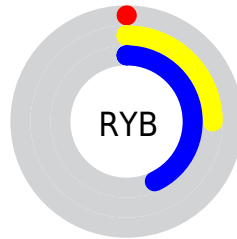
The Yxy color **11.5314, 0.2472, 0.4099** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.3352, 0.5792, 0.2965**, and the grayscale version is **6.7039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5179, 0.2651, 0.3873**, and **3.3591, 0.2576, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **11.5318, 0.2472, 0.4099**, and if you desaturate by 10%, it is **11.6452, 0.2477, 0.4007**.

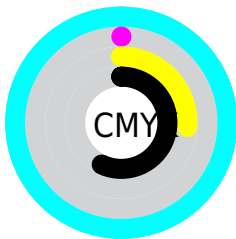
Distribution



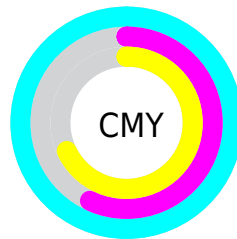
- Red (0%)
- Green (43%)
- Blue (32%)



- Red (0%)
- Yellow (25%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (68%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5314, 0.2472, 0.4099 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 11.5314, 0.2472, 0.4099 by changing the saturation by 10% instead.


 11.5314, 0.2472,
0.4099


 11.5314, 0.2472,
0.4099


201.2779, 0.2882,
0.3584


 6.4255, 0.2325,
0.4293


 28.6387, 0.2649,
0.3873


 3.1055, 0.2094,
0.4606

 41.4089, 0.2706,
0.3801

 1.1870, 0.1237,
0.5546

 57.5026, 0.2750,
0.3745

 0.0511, 0.0000,
1.0000


 77.3042, 0.2787,
0.3700


 0.0000, 0.0000,
0.0000


 101.1982, 0.2817,
0.3663


 129.5688, 0.2842,

0.3632

 162.8006, 0.2863,
0.3606


 11.5314, 0.2472,
0.4099


 11.5314, 0.2472,
0.4099


 11.5318, 0.2472,
0.4099

 11.6452, 0.2477,
0.4007

 11.7877, 0.2492,
0.3916

 11.9842, 0.2524,
0.3825

 12.2407, 0.2573,
0.3736

 12.5623, 0.2639,
0.3650

■ 12.9535, 0.2718,
0.3567

■ 13.4185, 0.2809,
0.3490

■ 13.9612, 0.2910,
0.3417

■ 14.5851, 0.3016,
0.3351

Harmonies

Analogous

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



11.5314, 0.3179, 0.4666



11.5314, 0.2472, 0.4099



11.5314, 0.1979, 0.3259

Triad

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



11.5314, 0.2472, 0.4099



11.5314, 0.2267, 0.2113



11.5314, 0.4679, 0.3704

Complementary

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



11.5314, 0.2472, 0.4099



3.3352, 0.5792, 0.2965

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.



11.5314, 0.4400, 0.3136



11.5314, 0.2472, 0.4099



11.5314, 0.2913, 0.2271

Square

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



11.5314, 0.2472, 0.4099



11.5314, 0.1886, 0.2199



11.5314, 0.3714, 0.2633



11.5314, 0.4474, 0.4262

Rectangle

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



11.5314, 0.2472, 0.4099



11.5314, 0.1817, 0.2769



11.5314, 0.3714, 0.2633



11.5314, 0.4642, 0.3512

Sweetspot

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



11.5319, 0.2472, 0.4099



23.9524, 0.2801, 0.3496



11.1998, 0.3142, 0.5887



5.5107, 0.2772, 0.3520



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.



11.5319, 0.2472, 0.4099



20.6283, 0.2479, 0.4123



7.3782, 0.2044, 0.2557



3.4793, 0.3028, 0.3344



13.4837, 0.2474, 0.4106



68.5589, 0.2488, 0.4158

Inverse Universe

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



3.3352, 0.5792, 0.2965



5.9533, 0.5859, 0.3001



3.9655, 0.6034, 0.3591



3.1284, 0.3237, 0.3237



3.8971, 0.5812, 0.2976



19.7338, 0.5950, 0.3051

Previews

White Background



This preview shows how the Yxy color 11.5314, 0.2472, 0.4099 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 11.5314, 0.2472, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

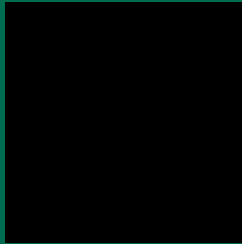
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5314, 0.2472, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 11.5314, 0.2472, 0.4099.



This preview shows how white text looks on a background with the Yxy color 11.5314, 0.2472, 0.4099.

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

11.5314, 0.2472, 0.4099

Protanopia

11.4455, 0.3534, 0.3782

Deuteranopia

11.4983, 0.3494, 0.3448



Tritanopia

11.6527, 0.2309, 0.3084

Trichromacy



Original Color

11.5314, 0.2472, 0.4099

Protanomaly

10.7402, 0.2921, 0.3916

Deuteranomaly

10.6407, 0.2898, 0.3662

Tritanomaly

11.4182, 0.2349, 0.3423

Monochromacy



Original Color

11.5314, 0.2472, 0.4099

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.7582, 0.2673, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5314, 0.2472, 0.4099 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, 109, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 81)  
}
```

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, 109, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 81) }
```

Border

The CSS property to change the border of an element to Yxy 11.5314, 0.2472, 0.4099 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, 109, 81) }
```

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

```
.border{ border-color:rgb(0, 109, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.5314, 0.2472, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 81) }
```

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

```
.background{ background-color: rgb(0, 109,  
81) }
```

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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