

Converting Colors

$Y_{xy}(13.6600, 0.1949, 0.4324)$

Have a look what the booklet for
Yxy(13.6600, 0.1949, 0.4324)
contains.

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Color

Yxy(15.1366, 0.2500, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	007C59
RGB	0, 124, 89
RGB Percent	0%, 49%, 35%
CMY	0.9996, 0.5137, 0.6509
CMYK	1.00, 0.00, 0.28, 0.51
HSL	163°, 100%, 24%
HSV	163°, 100%, 49%
XYZ	9.0120, 15.1366, 11.8995
YIQ	82.9340, -62.6690, -37.1730

Conversions

Conversions Part 2

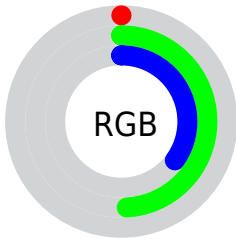
Format	Color
RYB	0, 72, 124
Decimal	31833
CIELab	45.82, -38.47, 10.97
CIELCh	46, 40.003, 164.089
Yxy	15.1366, 0.2500, 0.4199
Android (android.graphics.Color)	4278221913 (0xFF007C59)
YUV	82.9340, 2.9905, -72.7331
Hunter-Lab	38.9058, -26.7379, 9.1000

Details

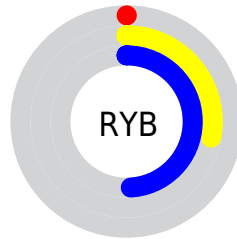
The Yxy color **15.1366, 0.2500, 0.4199** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.4093, 0.5737, 0.2935**, and the grayscale version is **8.6464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9281, 0.2662, 0.3952**, and **5.0720, 0.2606, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **15.1360, 0.2500, 0.4200**, and if you desaturate by 10%, it is **15.2786, 0.2499, 0.4096**.

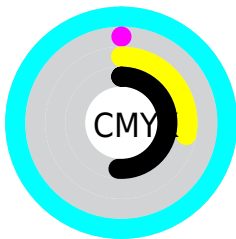
Distribution



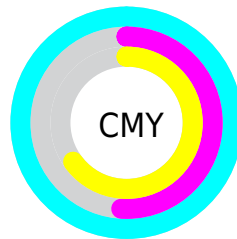
- Red (0%)
- Green (49%)
- Blue (35%)



- Red (0%)
- Yellow (28%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (51%)




- Cyan (100%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1366, 0.2500, 0.4199 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 15.1366, 0.2500, 0.4199 by changing the saturation by 10% instead.


 15.1366, 0.2500,
0.4199


 15.1366, 0.2500,
0.4199


224.1915, 0.2882,
0.3636


 8.9153, 0.2370,
0.4397


 35.0926, 0.2661,
0.3958


 4.6860, 0.2175,
0.4703

 49.5962, 0.2714,
0.3880


 2.0642, 0.1841,
0.5238

 67.6293, 0.2756,
0.3818

 0.6444, 0.0000,
1.0000

 89.5763, 0.2790,
0.3768

 0.0000, 0.0000,
0.0000

 115.8216, 0.2819,
0.3726

 146.7497, 0.2843,

0.3692

182.7448, 0.2864,
0.3662

15.1366, 0.2500,
0.4199

15.1366, 0.2500,
0.4199

15.1360, 0.2500,
0.4200

15.2786, 0.2499,
0.4096

15.4654, 0.2509,
0.3994

15.7249, 0.2538,
0.3891

16.0654, 0.2585,
0.3791

16.4942, 0.2649,
0.3693

■ 17.0174, 0.2726,
0.3600

■ 17.6410, 0.2816,
0.3513

■ 18.3701, 0.2914,
0.3432

■ 19.2096, 0.3019,
0.3357

Harmonies

Analogous

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



15.1366, 0.3240, 0.4746



15.1366, 0.2500, 0.4199



15.1366, 0.1971, 0.3324

Triad

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



15.1366, 0.2500, 0.4199



15.1366, 0.2195, 0.2074



15.1366, 0.4731, 0.3661

Complementary

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



15.1366, 0.2500, 0.4199



4.4093, 0.5737, 0.2935

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.



15.1366, 0.4403, 0.3081



15.1366, 0.2500, 0.4199



15.1366, 0.2840, 0.2218

Square

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



15.1366, 0.2500, 0.4199



15.1366, 0.1828, 0.2182



15.1366, 0.3666, 0.2574



15.1366, 0.4551, 0.4243

Rectangle

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



15.1366, 0.2500, 0.4199



15.1366, 0.1788, 0.2802



15.1366, 0.3666, 0.2574



15.1366, 0.4679, 0.3464

Sweetspot

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



15.1372, 0.2500, 0.4199



30.9500, 0.2808, 0.3520



14.7763, 0.3148, 0.5882



7.1955, 0.2776, 0.3550



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.1372, 0.2500, 0.4199



26.6118, 0.2506, 0.4223



10.0342, 0.2057, 0.2603



4.4940, 0.3028, 0.3351



15.3870, 0.2500, 0.4201



73.2461, 0.2515, 0.4253

Inverse Universe

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



4.4093, 0.5737, 0.2935



7.7331, 0.5798, 0.2968



5.0669, 0.6089, 0.3545



4.0319, 0.3237, 0.3230



4.4793, 0.5742, 0.2937



21.2384, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 15.1366, 0.2500, 0.4199 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 15.1366, 0.2500, 0.4199 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 15.1366, 0.2500, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 15.1366, 0.2500, 0.4199.



This preview shows how white text looks on a background with the Yxy color 15.1366, 0.2500, 0.4199.

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

15.1366, 0.2500, 0.4199

Protanopia

15.0473, 0.3587, 0.3831

Deuteranopia

14.9760, 0.3572, 0.3511



Tritanopia

15.2500, 0.2303, 0.3060

Trichromacy



Original Color

15.1366, 0.2500, 0.4199

Protanomaly

14.1464, 0.2961, 0.3996

Deuteranomaly

13.8039, 0.2941, 0.3745

Tritanomaly

15.1093, 0.2357, 0.3457

Monochromacy



Original Color

15.1366, 0.2500, 0.4199

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

10.1481, 0.2691, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1366, 0.2500, 0.4199 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, 124, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 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, 124, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 89) }
```

Border

The CSS property to change the border of an element to Yxy 15.1366, 0.2500, 0.4199 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, 124, 89) }
```

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

```
.border{ border-color:rgb(0, 124, 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, 124, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 124, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1366, 0.2500, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 89) }
```

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

```
.background{ background-color: rgb(0, 124,  
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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