

Converting Colors

$Yxy(16.8805, 0.2459, 0.4052)$

Have a look what the booklet for
Yxy(16.8805, 0.2459, 0.4052)
contains.

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Color

Yxy(16.8661, 0.2459, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	008263
RGB	0, 130, 99
RGB Percent	0%, 51%, 39%
CMY	0.9998, 0.4902, 0.6117
CMYK	1.00, 0.00, 0.24, 0.49
HSL	166°, 100%, 25%
HSV	166°, 100%, 51%
XYZ	10.2354, 16.8661, 14.5227
YIQ	87.5960, -67.5290, -37.2010

Conversions

Conversions Part 2

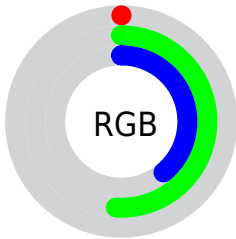
Format	Color
RYB	0, 74, 130
Decimal	33379
CIELab	48.09, -38.37, 8.32
CIELCh	48, 39.264, 167.773
Yxy	16.8661, 0.2459, 0.4052
Android (android.graphics.Color)	4278223459 (0xFF008263)
YUV	87.5960, 5.6222, -76.8217
Hunter-Lab	41.0684, -27.3825, 7.7816

Details

The Yxy color **16.8661, 0.2459, 0.4052** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.8458, 0.5896, 0.3022**, and the grayscale version is **9.6679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1885, 0.2622, 0.3857**, and **5.8399, 0.2539, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **16.8663, 0.2459, 0.4052**, and if you desaturate by 10%, it is **17.0128, 0.2460, 0.3966**.

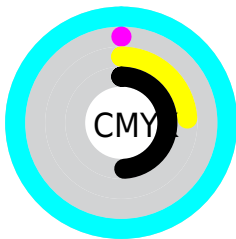
Distribution



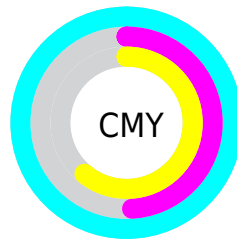
- Red (0%)
- Green (51%)
- Blue (39%)



- Red (0%)
- Yellow (29%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8661, 0.2459, 0.4052 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 16.8661, 0.2459, 0.4052 by changing the saturation by 10% instead.


 16.8661, 0.2459,
0.4052

 16.8661, 0.2459,
0.4052


 234.3996, 0.2855,
0.3591


 10.1391, 0.2331,
0.4207


 38.0954, 0.2622,
0.3859


 5.4913, 0.2145,
0.4440

 53.3665, 0.2677,
0.3795


 2.5383, 0.1850,
0.4825

 72.2544, 0.2721,
0.3744

 0.8957, 0.0000,
0.6946

 95.1434, 0.2757,
0.3702

 0.0000, 0.0000,
0.0000

 122.4181, 0.2788,
0.3667

 154.4627, 0.2814,

0.3638

191.6618, 0.2836,
0.3613

■ 16.8661, 0.2459,
0.4052

■ 16.8661, 0.2459,
0.4052

■ 16.8663, 0.2459,
0.4052

■ 17.0128, 0.2460,
0.3966

■ 17.2098, 0.2474,
0.3881

■ 17.4869, 0.2506,
0.3796

■ 17.8533, 0.2556,
0.3712

■ 18.3172, 0.2622,
0.3630

■ 18.8856, 0.2704,
0.3552

■ 19.5650, 0.2798,
0.3479

■ 20.3613, 0.2901,
0.3410

■ 21.2801, 0.3012,
0.3347

Harmonies

Analogous

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



16.8661, 0.3150, 0.4627



16.8661, 0.2459, 0.4052



16.8661, 0.1984, 0.3229

Triad

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



16.8661, 0.2459, 0.4052



16.8661, 0.2302, 0.2132



16.8661, 0.4654, 0.3724

Complementary

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



16.8661, 0.2459, 0.4052



4.8458, 0.5896, 0.3022

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.



16.8661, 0.4398, 0.3162



16.8661, 0.2459, 0.4052



16.8661, 0.2948, 0.2297

Square

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



16.8661, 0.2459, 0.4052



16.8661, 0.1914, 0.2208



16.8661, 0.3737, 0.2661



16.8661, 0.4437, 0.4270

Rectangle

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



16.8661, 0.2459, 0.4052



16.8661, 0.1831, 0.2754



16.8661, 0.3737, 0.2661



16.8661, 0.4623, 0.3534

Sweetspot

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



16.8668, 0.2459, 0.4052



34.3636, 0.2791, 0.3484



16.2812, 0.3118, 0.5906



7.6790, 0.2757, 0.3509



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.8668, 0.2459, 0.4052



29.6791, 0.2464, 0.4071



10.2560, 0.2024, 0.2485



4.8699, 0.3022, 0.3342



16.1731, 0.2459, 0.4051



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.8458, 0.5896, 0.3022



8.5119, 0.5950, 0.3051



5.8077, 0.6028, 0.3595



4.3598, 0.3244, 0.3239



4.6463, 0.5892, 0.3020



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8661, 0.2459, 0.4052 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 16.8661, 0.2459, 0.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

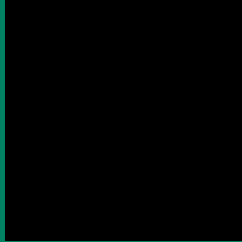
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8661, 0.2459, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 16.8661, 0.2459, 0.4052.



This preview shows how white text looks on a background with the Yxy color 16.8661, 0.2459, 0.4052.

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

16.8661, 0.2459, 0.4052

Protanopia

16.8549, 0.3512, 0.3749

Deuteranopia

16.7203, 0.3468, 0.3425



Tritanopia

16.8879, 0.2294, 0.3069

Trichromacy



Original Color

16.8661, 0.2459, 0.4052

Protanomaly

15.8189, 0.2903, 0.3893

Deuteranomaly

15.4312, 0.2860, 0.3632

Tritanomaly

16.8035, 0.2335, 0.3403

Monochromacy



Original Color

16.8661, 0.2459, 0.4052

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.3140, 0.2663, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8661, 0.2459, 0.4052 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, 130, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 99)  
}
```

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, 130, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 99) }
```

Border

The CSS property to change the border of an element to Yxy 16.8661, 0.2459, 0.4052 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, 130, 99) }
```

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

```
.border{ border-color:rgb(0, 130, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8661, 0.2459, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 99) }
```

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

```
.background{ background-color: rgb(0, 130,  
99) }
```

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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