

Converting Colors

$Yxy(16.5046, 0.2202, 0.3599)$

Have a look what the booklet for
Yxy(16.5046, 0.2202, 0.3599)
contains.

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Color

Yxy(16.9615, 0.2332, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	008174
RGB	0, 129, 116
RGB Percent	0%, 51%, 45%
CMY	1.0000, 0.4941, 0.5451
CMYK	1.00, 0.00, 0.10, 0.49
HSL	174°, 100%, 25%
HSV	174°, 100%, 51%
XYZ	11.0026, 16.9615, 19.2167
YIQ	88.9470, -72.7110, -31.3910

Conversions

Conversions Part 2

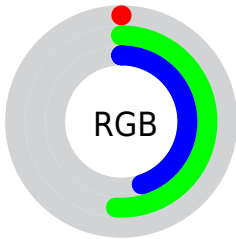
Format	Color
RYB	0, 68, 129
Decimal	33140
CIELab	48.21, -33.09, -1.48
CIElCh	48, 33.125, 182.554
Yxy	16.9615, 0.2332, 0.3595
Android (android.graphics.Color)	4278223220 (0xFF008174)
YUV	88.9470, 13.3371, -78.0065
Hunter-Lab	41.1843, -24.3856, 1.1641

Details

The Yxy color **16.9615, 0.2332, 0.3595** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.6966, 0.6238, 0.3210**, and the grayscale version is **9.9605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4435, 0.2516, 0.3531**, and **6.0093, 0.2359, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **16.9621, 0.2332, 0.3595**, and if you desaturate by 10%, it is **17.0774, 0.2345, 0.3562**.

Distribution



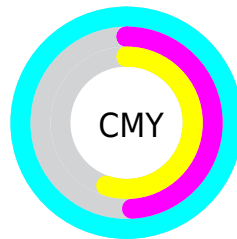
- Red (0%)
- Green (51%)
- Blue (45%)



- Red (0%)
- Yellow (27%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9615, 0.2332, 0.3595 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 16.9615, 0.2332, 0.3595 by changing the saturation by 10% instead.


 16.9615, 0.2332,
0.3595


 16.9615, 0.2332,
0.3595


234.9504, 0.2790,
0.3422

 10.2070, 0.2192,
0.3646


 38.2596, 0.2516,
0.3526


 5.5365, 0.1994,
0.3718

 53.5720, 0.2579,
0.3502


 2.5653, 0.1695,
0.3823

 72.5058, 0.2631,
0.3483

 0.9093, 0.0272,
0.4405

 95.4455, 0.2674,
0.3466

 0.0000, 0.0000,
0.0000

 122.7754, 0.2710,
0.3453

 154.8799, 0.2741,

0.3441

192.1435, 0.2767,
0.3431

■ 16.9615, 0.2332,
0.3595

■ 16.9615, 0.2332,
0.3595

■ 16.9621, 0.2332,
0.3595

■ 17.0774, 0.2345,
0.3562

■ 17.2406, 0.2369,
0.3528

■ 17.4805, 0.2411,
0.3495

■ 17.8063, 0.2471,
0.3462

■ 18.2259, 0.2548,
0.3429

■ 18.7462, 0.2641,
0.3398

■ 19.3736, 0.2748,
0.3368

■ 20.1139, 0.2866,
0.3340

■ 20.9723, 0.2993,
0.3314

Harmonies

Analogous

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



16.9615, 0.2856, 0.4208



16.9615, 0.2332, 0.3595



16.9615, 0.2035, 0.2946

Triad

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



16.9615, 0.2332, 0.3595



16.9615, 0.2675, 0.2334



16.9615, 0.4382, 0.3925

Complementary

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



16.9615, 0.2332, 0.3595



4.6966, 0.6238, 0.3210

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.



16.9615, 0.4356, 0.3435



16.9615, 0.2332, 0.3595



16.9615, 0.3307, 0.2570

Square

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



16.9615, 0.2332, 0.3595



16.9615, 0.2219, 0.2298



16.9615, 0.3947, 0.2959



16.9615, 0.4048, 0.4328

Rectangle

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



16.9615, 0.2332, 0.3595



16.9615, 0.1983, 0.2617



16.9615, 0.3947, 0.2959



16.9615, 0.4418, 0.3765

Sweetspot

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



16.9621, 0.2332, 0.3595



34.6063, 0.2740, 0.3370



15.8032, 0.3040, 0.5968



7.7398, 0.2701, 0.3380



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.



16.9621, 0.2332, 0.3595



30.3615, 0.2334, 0.3603



7.2574, 0.1895, 0.2023



4.8797, 0.3005, 0.3312



16.5379, 0.2332, 0.3595



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6966, 0.6238, 0.3210



8.3982, 0.6274, 0.3230



6.9022, 0.5692, 0.3863



4.3508, 0.3264, 0.3269



4.5792, 0.6237, 0.3209



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9615, 0.2332, 0.3595 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 16.9615, 0.2332, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

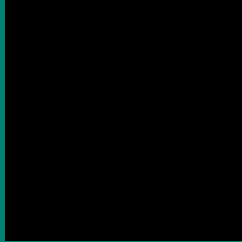
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9615, 0.2332, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 16.9615, 0.2332, 0.3595.

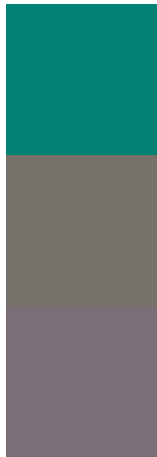


This preview shows how white text looks on a background with the Yxy color 16.9615, 0.2332, 0.3595.

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

16.9615, 0.2332, 0.3595

Protanopia

16.9477, 0.3266, 0.3429

Deuteranopia

16.8625, 0.3162, 0.3118



Tritanopia

17.0226, 0.2259, 0.3069

Trichromacy



Original Color

16.9615, 0.2332, 0.3595

Protanomaly

15.8153, 0.2719, 0.3492

Deuteranomaly

15.9085, 0.2659, 0.3267

Tritanomaly

16.9232, 0.2272, 0.3242

Monochromacy



Original Color

16.9615, 0.2332, 0.3595

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.6713, 0.2603, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9615, 0.2332, 0.3595 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, 129, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 116)  
}
```

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, 129, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 116) }
```

Border

The CSS property to change the border of an element to Yxy 16.9615, 0.2332, 0.3595 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, 129, 116) }
```

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

```
.border{ border-color:rgb(0, 129, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9615, 0.2332, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 116) }
```

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

```
.background{ background-color: rgb(0, 129,  
116) }
```

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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