

Converting Colors

$Yxy(12.3147, 0.1712, 0.3631)$

Have a look what the booklet for
Yxy(12.3147, 0.1712, 0.3631)
contains.

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Color

Yxy(13.9975, 0.2332, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	00766A
RGB	0, 118, 106
RGB Percent	0%, 46%, 42%
CMY	1.0000, 0.5372, 0.5843
CMYK	1.00, 0.00, 0.10, 0.54
HSL	174°, 100%, 23%
HSV	174°, 100%, 46%
XYZ	9.0799, 13.9975, 15.8586
YIQ	81.3500, -66.4760, -28.7480

Conversions

Conversions Part 2

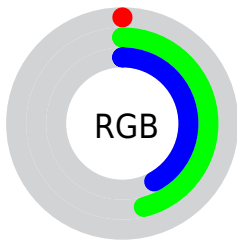
Format	Color
RYB	0, 62, 118
Decimal	30314
CIELab	44.23, -31.04, -1.38
CIELCh	44, 31.071, 182.554
Yxy	13.9975, 0.2332, 0.3595
Android (android.graphics.Color)	4278220394 (0xFF00766A)
YUV	81.3500, 12.1525, -71.3439
Hunter-Lab	37.4132, -22.1527, 1.0575

Details

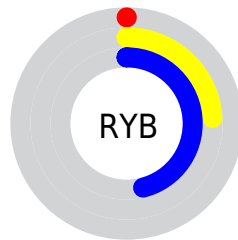
The Yxy color **13.9975, 0.2332, 0.3595** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8784, 0.6222, 0.3201**, and the grayscale version is **8.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1379, 0.2525, 0.3529**, and **4.5720, 0.2361, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **13.9980, 0.2332, 0.3595**, and if you desaturate by 10%, it is **14.0999, 0.2347, 0.3562**.

Distribution



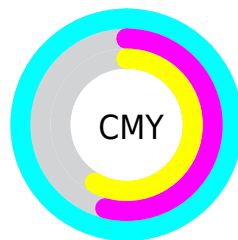
- Red (0%)
- Green (46%)
- Blue (42%)



- Red (0%)
- Yellow (24%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9975, 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 13.9975, 0.2332, 0.3595 by changing the saturation by 10% instead.


 13.9975, 0.2332,
0.3595


 13.9975, 0.2332,
0.3595


217.2153, 0.2803,
0.3417


 8.1189, 0.2181,
0.3650


 33.0846, 0.2525,
0.3523


 4.1711, 0.1962,
0.3730

 47.0619, 0.2591,
0.3498


 1.7698, 0.1610,
0.3852

 64.5076, 0.2643,
0.3478

 0.4682, 0.0000,
0.4356

 85.8060, 0.2686,
0.3462

 0.0000, 0.0000,
0.0000

 111.3416, 0.2723,
0.3448

 141.4988, 0.2753,

0.3436

176.6618, 0.2780,
0.3426

13.9975, 0.2332,
0.3595

13.9975, 0.2332,
0.3595

13.9980, 0.2332,
0.3595

14.0999, 0.2347,
0.3562

14.2380, 0.2372,
0.3528

14.4390, 0.2415,
0.3495

14.7100, 0.2475,
0.3462

15.0573, 0.2552,
0.3429

■ 15.4865, 0.2645,
0.3398

■ 16.0027, 0.2751,
0.3368

■ 16.6104, 0.2869,
0.3340

■ 17.3140, 0.2995,
0.3314

Harmonies

Analogous

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



13.9975, 0.2856, 0.4208



13.9975, 0.2332, 0.3595



13.9975, 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.



13.9975, 0.2332, 0.3595



13.9975, 0.2675, 0.2334



13.9975, 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.



13.9975, 0.2332, 0.3595



3.8784, 0.6222, 0.3201

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.



13.9975, 0.4356, 0.3435



13.9975, 0.2332, 0.3595



13.9975, 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.



13.9975, 0.2332, 0.3595



13.9975, 0.2219, 0.2298



13.9975, 0.3947, 0.2959



13.9975, 0.4048, 0.4328

Rectangle

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



13.9975, 0.2332, 0.3595



13.9975, 0.1983, 0.2617



13.9975, 0.3947, 0.2959



13.9975, 0.4418, 0.3765

Sweetspot

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



13.9980, 0.2332, 0.3595



28.0631, 0.2743, 0.3370



13.0489, 0.3043, 0.5966



6.3804, 0.2707, 0.3380



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.9980, 0.2332, 0.3595



24.6012, 0.2334, 0.3603



6.0431, 0.1899, 0.2035



4.1492, 0.3007, 0.3311



15.1422, 0.2332, 0.3596



73.7170, 0.2337, 0.3614

Inverse Universe

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



3.8784, 0.6222, 0.3201



6.8084, 0.6261, 0.3223



5.7467, 0.5676, 0.3875



3.7064, 0.3261, 0.3269



4.1945, 0.6228, 0.3205



20.3775, 0.6307, 0.3248

Previews

White Background



This preview shows how the Yxy color 13.9975, 0.2332, 0.3595 looks on a white background.

Color Contrast Check

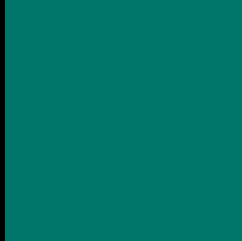
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9975, 0.2332, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

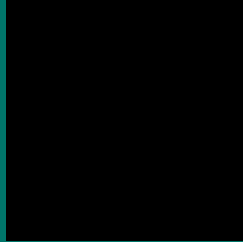
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9975, 0.2332, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 13.9975, 0.2332, 0.3595.



This preview shows how white text looks on a background with the Yxy color 13.9975, 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

13.9975, 0.2332, 0.3595

Protanopia

13.9706, 0.3265, 0.3419

Deuteranopia

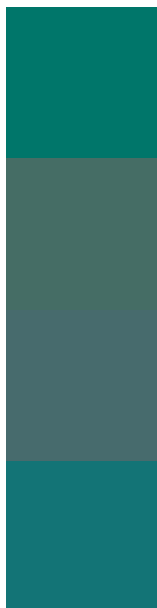
13.8779, 0.3165, 0.3104



Tritanopia

14.0182, 0.2256, 0.3051

Trichromacy



Original Color

13.9975, 0.2332, 0.3595

Protanomaly

13.1421, 0.2723, 0.3484

Deuteranomaly

12.9591, 0.2655, 0.3241

Tritanomaly

13.9372, 0.2273, 0.3239

Monochromacy



Original Color

13.9975, 0.2332, 0.3595

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.4737, 0.2608, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9975, 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, 118, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 106)  
}
```

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, 118, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 106) }
```

Border

The CSS property to change the border of an element to Yxy 13.9975, 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, 118, 106) }
```

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

```
.border{ border-color:rgb(0, 118, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9975, 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, 118, 106) }
```

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

```
.background{ background-color: rgb(0, 118,  
106) }
```

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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