

Converting Colors

$Yxy(12.2247, 0.1142, 0.4088)$

Have a look what the booklet for
Yxy(12.2247, 0.1142, 0.4088)
contains.

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Color

Yxy(15.3354, 0.2416, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	007C64
RGB	0, 124, 100
RGB Percent	0%, 49%, 39%
CMY	0.9992, 0.5137, 0.6078
CMYK	1.00, 0.00, 0.19, 0.51
HSL	168°, 100%, 24%
HSV	168°, 100%, 49%
XYZ	9.5098, 15.3354, 14.5167
YIQ	84.1880, -66.2000, -33.7520

Conversions

Conversions Part 2

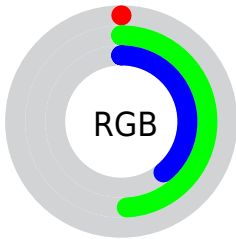
Format	Color
RYB	0, 69, 124
Decimal	31844
CIELab	46.09, -35.51, 4.88
CIELCh	46, 35.843, 172.175
Yxy	15.3354, 0.2416, 0.3896
Android (android.graphics.Color)	4278221924 (0xFF007C64)
YUV	84.1880, 7.7953, -73.8329
Hunter-Lab	39.1604, -25.1833, 5.4337

Details

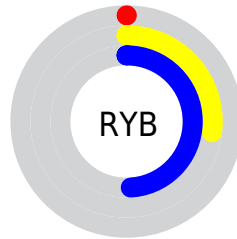
The Yxy color **15.3354, 0.2416, 0.3896** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.3559, 0.6013, 0.3088**, and the grayscale version is **8.9129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2983, 0.2586, 0.3733**, and **5.1546, 0.2484, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **15.3340, 0.2416, 0.3897**, and if you desaturate by 10%, it is **15.4645, 0.2422, 0.3828**.

Distribution



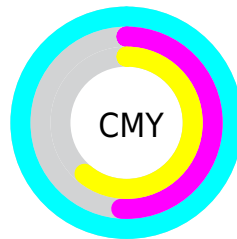
- Red (0%)
- Green (49%)
- Blue (39%)



- Red (0%)
- Yellow (27%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3354, 0.2416, 0.3896 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 15.3354, 0.2416, 0.3896 by changing the saturation by 10% instead.


 15.3354, 0.2416,
0.3896


 15.3354, 0.2416,
0.3896


 225.3874, 0.2838,
0.3529


 9.0551, 0.2279,
0.4019


 35.4405, 0.2590,
0.3742


 4.7771, 0.2079,
0.4205

 50.0341, 0.2649,
0.3691


 2.1171, 0.1761,
0.4513

 68.1676, 0.2696,
0.3651

 0.6742, 0.0000,
0.6318

 90.2254, 0.2735,
0.3617

 0.0000, 0.0000,
0.0000

 116.5919, 0.2767,
0.3590

 147.6515, 0.2794,

0.3567

183.7885, 0.2818,
0.3547

■ 15.3354, 0.2416,
0.3896

■ 15.3354, 0.2416,
0.3896

■ 15.3340, 0.2416,
0.3897

■ 15.4645, 0.2422,
0.3828

■ 15.6372, 0.2440,
0.3760

■ 15.8813, 0.2476,
0.3693

■ 16.2049, 0.2530,
0.3626

■ 16.6153, 0.2601,
0.3562

■ 17.1187, 0.2686,
0.3500

■ 17.7208, 0.2784,
0.3441

■ 18.4269, 0.2892,
0.3386

■ 19.2418, 0.3008,
0.3336

Harmonies

Analogous

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



15.3354, 0.3053, 0.4492



15.3354, 0.2416, 0.3896



15.3354, 0.2000, 0.3130

Triad

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



15.3354, 0.2416, 0.3896



15.3354, 0.2422, 0.2198



15.3354, 0.4566, 0.3791

Complementary

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



15.3354, 0.2416, 0.3896



4.3559, 0.6013, 0.3088

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.



15.3354, 0.4388, 0.3251



15.3354, 0.2416, 0.3896



15.3354, 0.3066, 0.2386

Square

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



15.3354, 0.2416, 0.3896



15.3354, 0.2012, 0.2237



15.3354, 0.3809, 0.2758



15.3354, 0.4309, 0.4295

Rectangle

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



15.3354, 0.2416, 0.3896



15.3354, 0.1880, 0.2706



15.3354, 0.3809, 0.2758



15.3354, 0.4558, 0.3610

Sweetspot

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



15.3360, 0.2416, 0.3896



31.0867, 0.2775, 0.3446



14.6211, 0.3086, 0.5930



7.2310, 0.2740, 0.3466



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.



15.3360, 0.2416, 0.3896



26.9664, 0.2420, 0.3913



8.2497, 0.1978, 0.2319



4.4998, 0.3017, 0.3332



15.5890, 0.2416, 0.3898



74.2408, 0.2426, 0.3933

Inverse Universe

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



4.3559, 0.6013, 0.3088



7.6404, 0.6069, 0.3117



5.6295, 0.5898, 0.3696



4.0266, 0.3249, 0.3249



4.4231, 0.6019, 0.3090



21.0007, 0.6130, 0.3150

Previews

White Background



This preview shows how the Yxy color 15.3354, 0.2416, 0.3896 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 15.3354, 0.2416, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

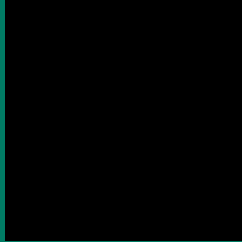
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3354, 0.2416, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 15.3354, 0.2416, 0.3896.



This preview shows how white text looks on a background with the Yxy color 15.3354, 0.2416, 0.3896.

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

15.3354, 0.2416, 0.3896

Protanopia

15.3548, 0.3433, 0.3643

Deuteranopia

15.1676, 0.3369, 0.3311



Tritanopia

15.4380, 0.2282, 0.3061

Trichromacy



Original Color

15.3354, 0.2416, 0.3896

Protanomaly

14.2773, 0.2841, 0.3745

Deuteranomaly

14.1454, 0.2797, 0.3500

Tritanomaly

15.2008, 0.2313, 0.3335

Monochromacy



Original Color

15.3354, 0.2416, 0.3896

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.4461, 0.2649, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3354, 0.2416, 0.3896 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 100) }
```

Border

The CSS property to change the border of an element to Yxy 15.3354, 0.2416, 0.3896 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, 100) }
```

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

```
.border{ border-color:rgb(0, 124, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3354, 0.2416, 0.3896 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, 100) }
```

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

```
.background{ background-color: rgb(0, 124,  
100) }
```

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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