

Converting Colors

$Y_{xy}(12.4081, 0.1422, 0.3739)$

Have a look what the booklet for
Yxy(12.4081, 0.1422, 0.3739)
contains.

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Color

Yxy(14.9806, 0.2351, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	007A6B
RGB	0, 122, 107
RGB Percent	0%, 48%, 42%
CMY	1.0000, 0.5215, 0.5804
CMYK	1.00, 0.00, 0.12, 0.52
HSL	173°, 100%, 24%
HSV	173°, 100%, 48%
XYZ	9.6123, 14.9806, 16.2930
YIQ	83.8120, -67.8970, -30.5290

Conversions

Conversions Part 2

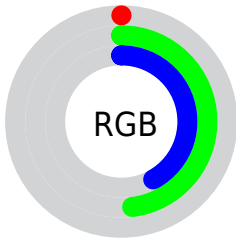
Format	Color
RYB	0, 65, 122
Decimal	31339
CIELab	45.61, -32.60, 0.04
CIELCh	46, 32.598, 179.930
Yxy	14.9806, 0.2351, 0.3664
Android (android.graphics.Color)	4278221419 (0xFF007A6B)
YUV	83.8120, 11.4317, -73.5031
Hunter-Lab	38.7048, -23.4031, 2.1348

Details

The Yxy color **14.9806, 0.2351, 0.3664** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.1724, 0.6186, 0.3181**, and the grayscale version is **8.8119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7483, 0.2537, 0.3577**, and **4.9610, 0.2380, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **14.9817, 0.2351, 0.3664**, and if you desaturate by 10%, it is **15.0932, 0.2364, 0.3623**.

Distribution



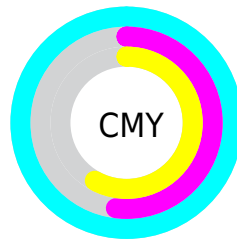
- Red (0%)
- Green (48%)
- Blue (42%)



- Red (0%)
- Yellow (25%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (52%)




- Cyan (100%)
- Magenta (52%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9806, 0.2351, 0.3664 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 14.9806, 0.2351, 0.3664 by changing the saturation by 10% instead.


 14.9806, 0.2351,
0.3664


 14.9806, 0.2351,
0.3664


 223.2488, 0.2808,
0.3444


 8.8058, 0.2206,
0.3734


 34.8191, 0.2537,
0.3574


 4.6147, 0.1997,
0.3835

 49.2516, 0.2601,
0.3544

 2.0230, 0.1670,
0.3992

 67.2055, 0.2652,
0.3519

 0.6208, 0.0000,
0.4798

 89.0651, 0.2694,
0.3499

 0.0000, 0.0000,
0.0000

 115.2148, 0.2729,
0.3482

 146.0391, 0.2759,

0.3467

181.9223, 0.2785,
0.3455

■ 14.9806, 0.2351,
0.3664

■ 14.9806, 0.2351,
0.3664

■ 14.9817, 0.2351,
0.3664

■ 15.0932, 0.2364,
0.3623

■ 15.2451, 0.2387,
0.3582

■ 15.4649, 0.2428,
0.3541

■ 15.7605, 0.2487,
0.3500

■ 16.1387, 0.2562,
0.3460

■ 16.6056, 0.2653,
0.3422

■ 17.1667, 0.2757,
0.3385

■ 17.8269, 0.2873,
0.3351

■ 18.5910, 0.2997,
0.3319

Harmonies

Analogous

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



14.9806, 0.2902, 0.4276



14.9806, 0.2351, 0.3664



14.9806, 0.2026, 0.2987

Triad

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



14.9806, 0.2351, 0.3664



14.9806, 0.2614, 0.2301



14.9806, 0.4427, 0.3894

Complementary

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



14.9806, 0.2351, 0.3664



4.1724, 0.6186, 0.3181

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.



14.9806, 0.4366, 0.3391



14.9806, 0.2351, 0.3664



14.9806, 0.3250, 0.2526

Square

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



14.9806, 0.2351, 0.3664



14.9806, 0.2169, 0.2283



14.9806, 0.3916, 0.2911



14.9806, 0.4110, 0.4323

Rectangle

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



14.9806, 0.2351, 0.3664



14.9806, 0.1958, 0.2637



14.9806, 0.3916, 0.2911



14.9806, 0.4452, 0.3729

Sweetspot

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



14.9817, 0.2351, 0.3664



30.1217, 0.2750, 0.3388



14.0328, 0.3049, 0.5961



6.8080, 0.2713, 0.3400



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.9817, 0.2351, 0.3664



26.3417, 0.2354, 0.3674



6.7508, 0.1914, 0.2088



4.5044, 0.3009, 0.3316



15.7712, 0.2351, 0.3665



75.1451, 0.2357, 0.3686

Inverse Universe

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



4.1724, 0.6186, 0.3181



7.3278, 0.6227, 0.3204



5.9945, 0.5728, 0.3834



4.0223, 0.3259, 0.3264



4.3918, 0.6190, 0.3184



20.8788, 0.6275, 0.3231

Previews

White Background



This preview shows how the Yxy color 14.9806, 0.2351, 0.3664 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 14.9806, 0.2351, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

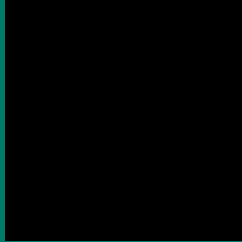
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9806, 0.2351, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 14.9806, 0.2351, 0.3664.



This preview shows how white text looks on a background with the Yxy color 14.9806, 0.2351, 0.3664.

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

14.9806, 0.2351, 0.3664

Protanopia

14.8610, 0.3302, 0.3458

Deuteranopia

14.8302, 0.3219, 0.3149



Tritanopia

15.1020, 0.2265, 0.3058

Trichromacy



Original Color

14.9806, 0.2351, 0.3664

Protanomaly

13.8872, 0.2742, 0.3528

Deuteranomaly

13.9505, 0.2688, 0.3312

Tritanomaly

14.9728, 0.2284, 0.3264

Monochromacy



Original Color

14.9806, 0.2351, 0.3664

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.2650, 0.2613, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9806, 0.2351, 0.3664 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, 122, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 107)  
}
```

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, 122, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 107) }
```

Border

The CSS property to change the border of an element to Yxy 14.9806, 0.2351, 0.3664 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, 122, 107) }
```

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

```
.border{ border-color:rgb(0, 122, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9806, 0.2351, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 107) }
```

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

```
.background{ background-color: rgb(0, 122,  
107) }
```

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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