

Converting Colors

$Y_{xy}(13.9972, 0.2337, 0.3721)$

Have a look what the booklet for
Yxy(13.9972, 0.2337, 0.3721)
contains.

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Color

Yxy(14.1530, 0.2369, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	007766
RGB	0, 119, 102
RGB Percent	0%, 47%, 40%
CMY	0.9994, 0.5333, 0.6000
CMYK	1.00, 0.00, 0.14, 0.53
HSL	171°, 100%, 23%
HSV	171°, 100%, 47%
XYZ	8.9961, 14.1530, 14.8251
YIQ	81.4810, -65.4670, -30.5150

Conversions

Conversions Part 2

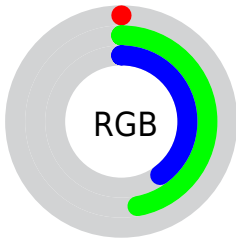
Format	Color
RYB	0, 64, 119
Decimal	30566
CIELab	44.45, -32.70, 1.34
CIELCh	44, 32.731, 177.660
Yxy	14.1530, 0.2369, 0.3727
Android (android.graphics.Color)	4278220646 (0xFF007766)
YUV	81.4810, 10.1159, -71.4588
Hunter-Lab	37.6205, -23.1515, 2.9699

Details

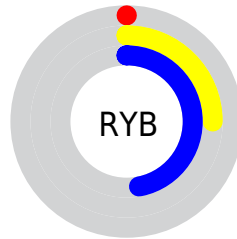
The Yxy color **14.1530, 0.2369, 0.3727** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.9664, 0.6133, 0.3154**, and the grayscale version is **8.3278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3827, 0.2553, 0.3617**, and **4.6562, 0.2421, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **14.1520, 0.2369, 0.3728**, and if you desaturate by 10%, it is **14.2652, 0.2381, 0.3679**.

Distribution



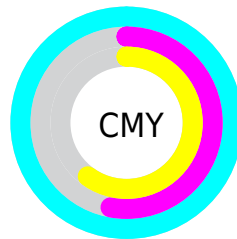
- Red (0%)
- Green (47%)
- Blue (40%)



- Red (0%)
- Yellow (25%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 14.1530, 0.2369, 0.3727 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 14.1530, 0.2369, 0.3727 by changing the saturation by 10% instead.


 14.1530, 0.2369,
0.3727


 14.1530, 0.2369,
0.3727


 218.1806, 0.2820,
0.3465

 8.2272, 0.2223,
0.3813


 33.3603, 0.2555,
0.3618


 4.2406, 0.2009,
0.3941

 47.4105, 0.2618,
0.3582


 1.8091, 0.1659,
0.4154

 64.9376, 0.2668,
0.3553

 0.4928, 0.0000,
0.5265

 86.3260, 0.2709,
0.3529

 0.0000, 0.0000,
0.0000

 111.9601, 0.2744,
0.3509

 142.2243, 0.2773,

0.3492

177.5030, 0.2798,
0.3478

14.1530, 0.2369,
0.3727

14.1530, 0.2369,
0.3727

14.1520, 0.2369,
0.3728

14.2652, 0.2381,
0.3679

14.4152, 0.2403,
0.3630

14.6296, 0.2443,
0.3582

14.9159, 0.2501,
0.3534

15.2804, 0.2575,
0.3488

■ 15.7289, 0.2664,
0.3443

■ 16.2664, 0.2767,
0.3400

■ 16.8977, 0.2880,
0.3360

■ 17.6273, 0.3002,
0.3323

Harmonies

Analogous

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



14.1530, 0.2944, 0.4337



14.1530, 0.2369, 0.3727



14.1530, 0.2019, 0.3026

Triad

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



14.1530, 0.2369, 0.3727



14.1530, 0.2560, 0.2273



14.1530, 0.4466, 0.3865

Complementary

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



14.1530, 0.2369, 0.3727



3.9664, 0.6133, 0.3154

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.



14.1530, 0.4373, 0.3352



14.1530, 0.2369, 0.3727



14.1530, 0.3199, 0.2487

Square

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



14.1530, 0.2369, 0.3727



14.1530, 0.2125, 0.2270



14.1530, 0.3887, 0.2868



14.1530, 0.4166, 0.4316

Rectangle

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



14.1530, 0.2369, 0.3727



14.1530, 0.1936, 0.2656



14.1530, 0.3887, 0.2868



14.1530, 0.4482, 0.3696

Sweetspot

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



14.1535, 0.2369, 0.3727



29.0359, 0.2757, 0.3404



13.3222, 0.3059, 0.5952



6.8001, 0.2721, 0.3418



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.



14.1535, 0.2369, 0.3727



25.3276, 0.2372, 0.3739



6.6977, 0.1931, 0.2151



4.1467, 0.3012, 0.3320



15.0350, 0.2369, 0.3729



73.1709, 0.2376, 0.3755

Inverse Universe

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



3.9664, 0.6133, 0.3154



7.0821, 0.6185, 0.3181



5.5609, 0.5764, 0.3803



3.7086, 0.3255, 0.3260



4.2090, 0.6143, 0.3158



20.4315, 0.6239, 0.3211

Previews

White Background



This preview shows how the Yxy color 14.1530, 0.2369, 0.3727 looks on a white background.

Color Contrast Check

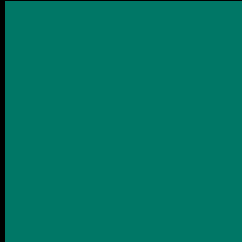
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1530, 0.2369, 0.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

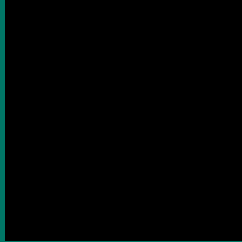
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1530, 0.2369, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 14.1530, 0.2369, 0.3727.

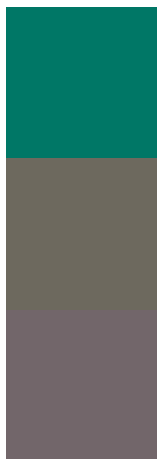


This preview shows how white text looks on a background with the Yxy color 14.1530, 0.2369, 0.3727.

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

14.1530, 0.2369, 0.3727

Protanopia

14.1625, 0.3331, 0.3527

Deuteranopia

14.1208, 0.3247, 0.3208



Tritanopia

14.2948, 0.2275, 0.3076

Trichromacy



Original Color

14.1530, 0.2369, 0.3727

Protanomaly

13.2801, 0.2768, 0.3608

Deuteranomaly

13.1615, 0.2722, 0.3361

Tritanomaly

14.1664, 0.2293, 0.3288

Monochromacy



Original Color

14.1530, 0.2369, 0.3727

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.6358, 0.2623, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1530, 0.2369, 0.3727 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, 119, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 102)  
}
```

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, 119, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 102) }
```

Border

The CSS property to change the border of an element to Yxy 14.1530, 0.2369, 0.3727 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, 119, 102) }
```

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

```
.border{ border-color:rgb(0, 119, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1530, 0.2369, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 102) }
```

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

```
.background{ background-color: rgb(0, 119,  
102) }
```

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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