

Converting Colors

$Y_{xy}(13.0760, 0.2316, 0.4073)$

Have a look what the booklet for
Yxy(13.0760, 0.2316, 0.4073)
contains.

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Color

Yxy(13.4438, 0.2457, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	007559
RGB	0, 117, 89
RGB Percent	0%, 46%, 35%
CMY	1.0000, 0.5412, 0.6509
CMYK	1.00, 0.00, 0.24, 0.54
HSL	166°, 100%, 23%
HSV	166°, 100%, 46%
XYZ	8.1640, 13.4438, 11.6196
YIQ	78.8250, -60.7440, -33.5120

Conversions

Conversions Part 2

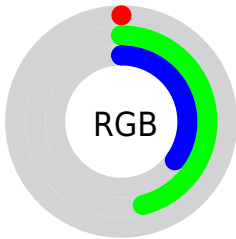
Format	Color
RYB	0, 66, 117
Decimal	30041
CIELab	43.42, -35.53, 7.59
CIELCh	43, 36.332, 167.941
Yxy	13.4438, 0.2457, 0.4046
Android (android.graphics.Color)	4278220121 (0xFF007559)
YUV	78.8250, 5.0163, -69.1295
Hunter-Lab	36.6658, -24.4205, 6.8767

Details

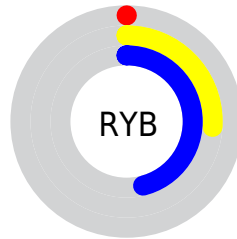
The Yxy color **13.4438, 0.2457, 0.4046** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8659, 0.5869, 0.3007**, and the grayscale version is **7.7833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1500, 0.2632, 0.3844**, and **4.3161, 0.2542, 0.4351** is the 20% darker color. If you saturate the color by 10%, you get **13.4450, 0.2457, 0.4046**, and if you desaturate by 10%, it is **13.5690, 0.2461, 0.3961**.

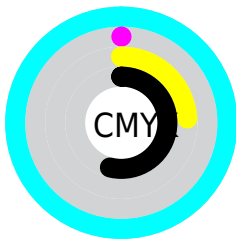
Distribution



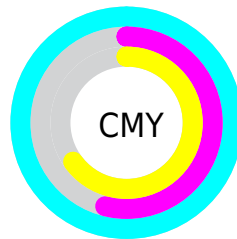
- Red (0%)
- Green (46%)
- Blue (35%)



- Red (0%)
- Yellow (26%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4438, 0.2457, 0.4046 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 13.4438, 0.2457, 0.4046 by changing the saturation by 10% instead.


 13.4438, 0.2457,
0.4046


 13.4438, 0.2457,
0.4046


213.7427, 0.2866,
0.3575


 7.7349, 0.2317,
0.4214


 32.0988, 0.2630,
0.3843


 3.9258, 0.2105,
0.4477

 45.8137, 0.2687,
0.3778


 1.6321, 0.1667,
0.4991

 62.9660, 0.2732,
0.3726

 0.3791, 0.0000,
1.0000

 83.9401, 0.2769,
0.3685


 0.0000, 0.0000,
0.0000


 109.1204, 0.2799,
0.3650


 138.8914, 0.2825,


0.3621

 173.6373, 0.2847,
0.3596


 13.4438, 0.2457,
0.4046


 13.4438, 0.2457,
0.4046


 13.4450, 0.2457,
0.4046

 13.5690, 0.2461,
0.3961

 13.7296, 0.2476,
0.3876

 13.9533, 0.2509,
0.3791

 14.2473, 0.2560,
0.3708

 14.6176, 0.2626,
0.3627

■ 15.0697, 0.2708,
0.3550

■ 15.6086, 0.2801,
0.3477

■ 16.2388, 0.2903,
0.3409

■ 16.9647, 0.3013,
0.3347

Harmonies

Analogous

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



13.4438, 0.3147, 0.4623



13.4438, 0.2457, 0.4046



13.4438, 0.1984, 0.3224

Triad

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



13.4438, 0.2457, 0.4046



13.4438, 0.2306, 0.2134



13.4438, 0.4651, 0.3727

Complementary

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



13.4438, 0.2457, 0.4046



3.8659, 0.5869, 0.3007

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.



13.4438, 0.4398, 0.3165



13.4438, 0.2457, 0.4046



13.4438, 0.2952, 0.2300

Square

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



13.4438, 0.2457, 0.4046



13.4438, 0.1918, 0.2208



13.4438, 0.3740, 0.2665



13.4438, 0.4432, 0.4272

Rectangle

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



13.4438, 0.2457, 0.4046



13.4438, 0.1833, 0.2752



13.4438, 0.3740, 0.2665



13.4438, 0.4621, 0.3537

Sweetspot

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



13.4450, 0.2457, 0.4046



27.8681, 0.2793, 0.3483



12.9883, 0.3124, 0.5902



6.3311, 0.2762, 0.3506



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.



13.4450, 0.2457, 0.4046



24.0529, 0.2463, 0.4067



8.2234, 0.2026, 0.2494



4.1410, 0.3024, 0.3341



14.8100, 0.2458, 0.4050



72.0324, 0.2471, 0.4095

Inverse Universe

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



3.8659, 0.5869, 0.3007



6.9033, 0.5929, 0.3040



4.6732, 0.6011, 0.3609



3.7139, 0.3242, 0.3239



4.2569, 0.5880, 0.3013



20.6294, 0.6006, 0.3082

Previews

White Background



This preview shows how the Yxy color 13.4438, 0.2457, 0.4046 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 13.4438, 0.2457, 0.4046 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 13.4438, 0.2457, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 13.4438, 0.2457, 0.4046.

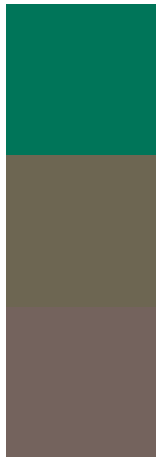


This preview shows how white text looks on a background with the Yxy color 13.4438, 0.2457, 0.4046.

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

13.4438, 0.2457, 0.4046

Protanopia

13.3631, 0.3510, 0.3728

Deuteranopia

13.4270, 0.3471, 0.3417



Tritanopia

13.6087, 0.2299, 0.3072

Trichromacy



Original Color

13.4438, 0.2457, 0.4046

Protanomaly

12.4365, 0.2896, 0.3851

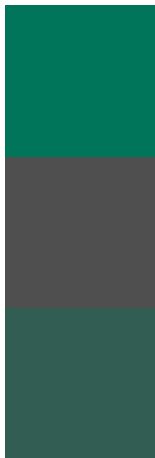
Deuteranomaly

12.5366, 0.2875, 0.3637

Tritanomaly

13.3546, 0.2337, 0.3389

Monochromacy



Original Color

13.4438, 0.2457, 0.4046

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.1313, 0.2662, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4438, 0.2457, 0.4046 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, 117, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 89)  
}
```

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, 117, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 89) }
```

Border

The CSS property to change the border of an element to Yxy 13.4438, 0.2457, 0.4046 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, 117, 89) }
```

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

```
.border{ border-color:rgb(0, 117, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4438, 0.2457, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 89) }
```

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

```
.background{ background-color: rgb(0, 117,  
89) }
```

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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