

Converting Colors

$Y_{xy}(13.2723, 0.1967, 0.4003)$

Have a look what the booklet for
Yxy(13.2723, 0.1967, 0.4003)
contains.

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Color

Yxy(14.5193, 0.2427, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	007960
RGB	0, 121, 96
RGB Percent	0%, 47%, 38%
CMY	1.0000, 0.5255, 0.6234
CMYK	1.00, 0.00, 0.21, 0.53
HSL	168°, 100%, 24%
HSV	168°, 100%, 47%
XYZ	8.9483, 14.5193, 13.4021
YIQ	81.9710, -64.0910, -33.4270

Conversions

Conversions Part 2

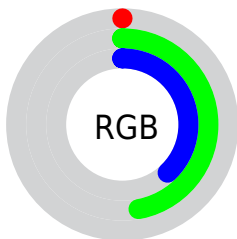
Format	Color
RYB	0, 67, 121
Decimal	31072
CIELab	44.97, -35.34, 5.63
CIELCh	45, 35.782, 170.946
Yxy	14.5193, 0.2427, 0.3938
Android (android.graphics.Color)	4278221152 (0xFF007960)
YUV	81.9710, 6.9163, -71.8886
Hunter-Lab	38.1042, -24.7639, 5.8192

Details

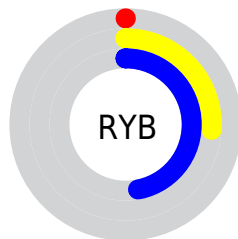
The Yxy color **14.5193, 0.2427, 0.3938** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.1353, 0.5976, 0.3066**, and the grayscale version is **8.4281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9252, 0.2604, 0.3777**, and **4.7368, 0.2493, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **14.5206, 0.2427, 0.3938**, and if you desaturate by 10%, it is **14.6463, 0.2433, 0.3865**.

Distribution



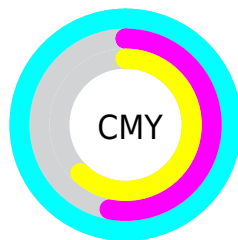
- Red (0%)
- Green (47%)
- Blue (38%)



- Red (0%)
- Yellow (26%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5193, 0.2427, 0.3938 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 14.5193, 0.2427, 0.3938 by changing the saturation by 10% instead.


 14.5193, 0.2427,
0.3938


 14.5193, 0.2427,
0.3938


220.4379, 0.2847,
0.3542


 8.4827, 0.2288,
0.4074


 34.0077, 0.2602,
0.3770


 4.4054, 0.2083,
0.4282

 48.2282, 0.2660,
0.3715


 1.9028, 0.1738,
0.4643

 65.9456, 0.2707,
0.3671

 0.5501, 0.0000,
0.7283

 87.5441, 0.2745,
0.3636


 0.0000, 0.0000,
0.0000


 113.4082, 0.2777,
0.3606


 143.9223, 0.2804,

0.3581


 179.4707, 0.2827,
0.3560


 14.5193, 0.2427,
0.3938


 14.5193, 0.2427,
0.3938

 14.5206, 0.2427,
0.3938

 14.6463, 0.2433,
0.3865

 14.8123, 0.2450,
0.3793

 15.0459, 0.2485,
0.3721

 15.3548, 0.2538,
0.3650

 15.7457, 0.2607,
0.3580

■ 16.2246, 0.2691,
0.3514

■ 16.7969, 0.2788,
0.3452

■ 17.4674, 0.2894,
0.3393

■ 18.2409, 0.3008,
0.3339

Harmonies

Analogous

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



14.5193, 0.3079, 0.4530



14.5193, 0.2427, 0.3938



14.5193, 0.1995, 0.3156

Triad

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



14.5193, 0.2427, 0.3938



14.5193, 0.2389, 0.2179



14.5193, 0.4591, 0.3773

Complementary

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



14.5193, 0.2427, 0.3938



4.1353, 0.5976, 0.3066

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.



14.5193, 0.4392, 0.3227



14.5193, 0.2427, 0.3938



14.5193, 0.3034, 0.2361

Square

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



14.5193, 0.2427, 0.3938



14.5193, 0.1985, 0.2228



14.5193, 0.3791, 0.2731



14.5193, 0.4345, 0.4289

Rectangle

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



14.5193, 0.2427, 0.3938



14.5193, 0.1866, 0.2718



14.5193, 0.3791, 0.2731



14.5193, 0.4577, 0.3590

Sweetspot

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



14.5206, 0.2427, 0.3938



29.9939, 0.2780, 0.3456



13.8982, 0.3098, 0.5922



6.7758, 0.2747, 0.3477



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.



14.5206, 0.2427, 0.3938



25.9803, 0.2432, 0.3955



8.1516, 0.1994, 0.2377



4.4989, 0.3019, 0.3334



15.5584, 0.2428, 0.3940



74.0893, 0.2438, 0.3978

Inverse Universe

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



4.1353, 0.5976, 0.3066



7.3871, 0.6032, 0.3096



5.2256, 0.5939, 0.3666



4.0273, 0.3247, 0.3246



4.4299, 0.5984, 0.3070



21.0286, 0.6098, 0.3133

Previews

White Background



This preview shows how the Yxy color 14.5193, 0.2427, 0.3938 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 14.5193, 0.2427, 0.3938 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 14.5193, 0.2427, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 14.5193, 0.2427, 0.3938.



This preview shows how white text looks on a background with the Yxy color 14.5193, 0.2427, 0.3938.

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

14.5193, 0.2427, 0.3938

Protanopia

14.4574, 0.3455, 0.3673

Deuteranopia

14.3448, 0.3405, 0.3332



Tritanopia

14.6223, 0.2293, 0.3078

Trichromacy



Original Color

14.5193, 0.2427, 0.3938

Protanomaly

13.4638, 0.2857, 0.3782

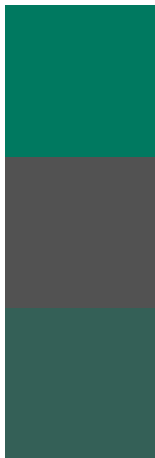
Deuteranomaly

13.3746, 0.2824, 0.3529

Tritanomaly

14.3889, 0.2324, 0.3361

Monochromacy



Original Color

14.5193, 0.2427, 0.3938

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.7839, 0.2650, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5193, 0.2427, 0.3938 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, 121, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 96)  
}
```

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, 121, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 96) }
```

Border

The CSS property to change the border of an element to Yxy 14.5193, 0.2427, 0.3938 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, 121, 96) }
```

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

```
.border{ border-color:rgb(0, 121, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.5193, 0.2427, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 96) }
```

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

```
.background{ background-color: rgb(0, 121,  
96) }
```

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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