

Converting Colors

$Y_{xy}(16.2291, 0.2439, 0.3419)$

Have a look what the booklet for
Yxy(16.2291, 0.2439, 0.3419)
contains.

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Color

Yxy(16.3042, 0.2439, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	2E7C76
RGB	46, 124, 118
RGB Percent	18%, 49%, 46%
CMY	0.8193, 0.5137, 0.5372
CMYK	0.63, 0.00, 0.05, 0.51
HSL	175°, 46%, 33%
HSV	175°, 63%, 49%
XYZ	11.6071, 16.3042, 19.6783
YIQ	99.9940, -44.5620, -18.4020

Conversions

Conversions Part 2

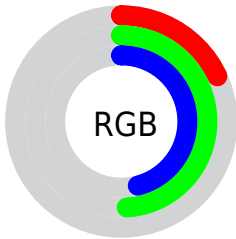
Format	Color
RYB	46, 87, 124
Decimal	3046518
CIELab	47.37, -25.09, -3.82
CIELCh	47, 25.375, 188.649
Yxy	16.3042, 0.2439, 0.3426
Android (android.graphics.Color)	4281236598 (0xFF2E7C76)
YUV	99.9940, 8.8770, -47.3527
Hunter-Lab	40.3785, -19.3511, -0.6299

Details

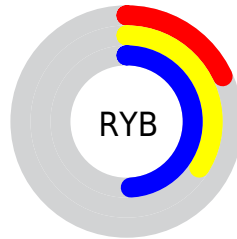
The Yxy color **16.3042, 0.2439, 0.3426** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.4925, 0.4861, 0.3184**, and the grayscale version is **12.7328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1133, 0.2597, 0.3400**, and **5.4744, 0.2299, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **16.0344, 0.2383, 0.3451**, and if you desaturate by 10%, it is **16.6588, 0.2513, 0.3402**.

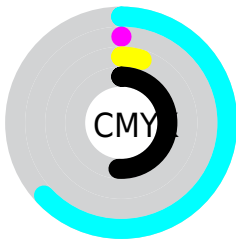
Distribution



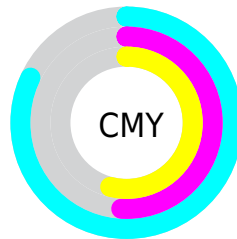
- Red (18%)
- Green (49%)
- Blue (46%)



- Red (18%)
- Yellow (34%)
- Blue (49%)



- Cyan (63%)
- Magenta (0%)
- Yellow (5%)
- Black (51%)



- Cyan (82%)
- Magenta (51%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3042, 0.2439, 0.3426 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 16.3042, 0.2439, 0.3426 by changing the saturation by 10% instead.


 16.3042, 0.2439,
0.3426


 16.3042, 0.2439,
0.3426


 231.1301, 0.2837,
0.3352

 9.7397, 0.2316,
0.3446


 37.1255, 0.2599,
0.3398


 5.2267, 0.2141,
0.3471

 52.1511, 0.2655,
0.3388

 2.3809, 0.1873,
0.3503

 70.7658, 0.2699,
0.3379

 0.8160, 0.0760,
0.3800

 93.3540, 0.2737,
0.3372

 0.0000, 0.0000,
0.0000

 120.3002, 0.2768,
0.3366

 151.9886, 0.2794,

0.3361

188.8038, 0.2817,
0.3356

■ 16.3042, 0.2439,
0.3426

■ 16.3042, 0.2439,
0.3426

■ 16.0344, 0.2383,
0.3451

■ 16.6588, 0.2513,
0.3402

■ 15.8400, 0.2344,
0.3476

■ 17.1027, 0.2603,
0.3378

■ 15.7127, 0.2322,
0.3501

■ 17.6425, 0.2708,
0.3355

■ 15.6399, 0.2311,
0.3518

■ 18.2835, 0.2826,
0.3334

■ 19.0307, 0.2953,
0.3313

■ 19.8888, 0.3088,
0.3295

■ 20.8621, 0.3227,
0.3278

■ 21.9547, 0.3370,
0.3263

■ 23.1706, 0.3512,
0.3250

Harmonies

Analogous

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



16.3042, 0.2830, 0.3907



16.3042, 0.2439, 0.3426



16.3042, 0.2235, 0.2947

Triad

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



16.3042, 0.2439, 0.3426



16.3042, 0.2871, 0.2550



16.3042, 0.4080, 0.3885

Complementary

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



16.3042, 0.2439, 0.3426



6.4925, 0.4861, 0.3184

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.



16.3042, 0.4110, 0.3505



16.3042, 0.2439, 0.3426



16.3042, 0.3379, 0.2771

Square

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



16.3042, 0.2439, 0.3426



16.3042, 0.2468, 0.2491



16.3042, 0.3847, 0.3110



16.3042, 0.3782, 0.4151

Rectangle

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



16.3042, 0.2439, 0.3426



16.3042, 0.2218, 0.2708



16.3042, 0.3847, 0.3110



16.3042, 0.4123, 0.3765

Sweetspot

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



16.3048, 0.2439, 0.3426



32.6026, 0.2868, 0.3327



15.3570, 0.3092, 0.5192



7.6072, 0.2838, 0.3331



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.



16.3048, 0.2439, 0.3426



28.0693, 0.2365, 0.3461



9.6099, 0.2214, 0.2487



4.5074, 0.3003, 0.3306



15.9006, 0.2311, 0.3519



75.7908, 0.2314, 0.3532

Inverse Universe

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



6.4925, 0.4861, 0.3184



9.2946, 0.5473, 0.3188



10.0081, 0.4538, 0.3926



4.0196, 0.3266, 0.3274



4.3772, 0.6274, 0.3230



20.8279, 0.6339, 0.3266

Previews

White Background



This preview shows how the Yxy color 16.3042, 0.2439, 0.3426 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 16.3042, 0.2439, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

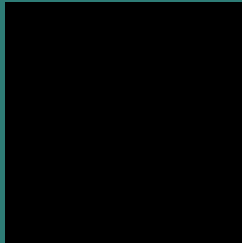
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3042, 0.2439, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 16.3042, 0.2439, 0.3426.



This preview shows how white text looks on a background with the Yxy color 16.3042, 0.2439, 0.3426.

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

16.3042, 0.2439, 0.3426

Protanopia

16.0940, 0.3167, 0.3290

Deuteranopia

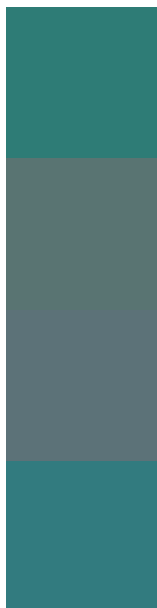
16.1693, 0.3098, 0.3056



Tritanopia

16.3151, 0.2358, 0.3068

Trichromacy



Original Color

16.3042, 0.2439, 0.3426

Protanomaly

15.8295, 0.2822, 0.3332

Deuteranomaly

15.6660, 0.2789, 0.3162

Tritanomaly

16.3763, 0.2388, 0.3198

Monochromacy



Original Color

16.3042, 0.2439, 0.3426

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.7043, 0.2782, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3042, 0.2439, 0.3426 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(46, 124, 118)` looks like.

```
.text, #text, p{  
  color:rgb(46, 124, 118)  
}
```

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(46, 124, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 124, 118) }
```

Border

The CSS property to change the border of an element to Yxy 16.3042, 0.2439, 0.3426 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(46, 124, 118) }
```

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

```
.border{ border-color:rgb(46, 124, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 124, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 124, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 124, 118);  
box-shadow:4px 4px 4px 4px rgb(46, 124,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3042, 0.2439, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 124, 118) }
```

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

```
.background{ background-color: rgb(46, 124,  
118) }
```

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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