

Converting Colors

$Y_{xy}(16.3757, 0.2409, 0.3485)$

Have a look what the booklet for
Yxy(16.3757, 0.2409, 0.3485)
contains.

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Color

Yxy(16.3449, 0.2404, 0.3475)

Conversions

Conversions Part 1	
Format	Color
Hex	257D75
RGB	37, 125, 117
RGB Percent	15%, 49%, 46%
CMY	0.8548, 0.5098, 0.5412
CMYK	0.70, 0.00, 0.06, 0.51
HSL	175°, 54%, 32%
HSV	175°, 70%, 49%
XYZ	11.3074, 16.3449, 19.3834
YIQ	97.7760, -49.8800, -21.1440

Conversions

Conversions Part 2

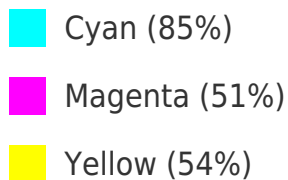
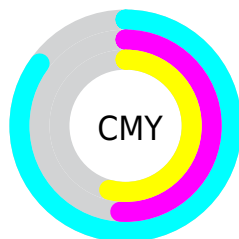
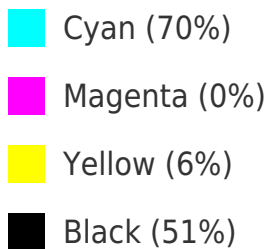
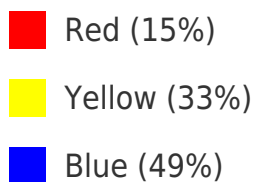
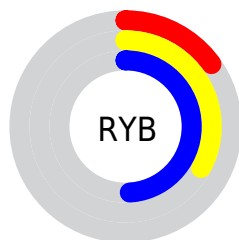
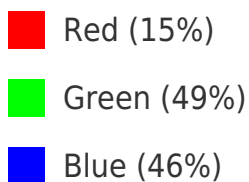
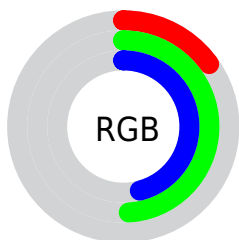
Format	Color
RYB	37, 83, 125
Decimal	2456949
CIELab	47.42, -27.47, -3.16
CIELCh	47, 27.648, 186.558
Yxy	16.3449, 0.2404, 0.3475
Android (android.graphics.Color)	4280647029 (0xFF257D75)
YUV	97.7760, 9.4774, -53.3006
Hunter-Lab	40.4288, -20.8265, -0.1261

Details

The Yxy color **16.3449, 0.2404, 0.3475** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.8750, 0.5162, 0.3161**, and the grayscale version is **12.1430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1383, 0.2570, 0.3433**, and **5.4618, 0.2309, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **16.1258, 0.2362, 0.3505**, and if you desaturate by 10%, it is **16.6449, 0.2464, 0.3445**.


Distribution



Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3449, 0.2404, 0.3475 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 16.3449, 0.2404, 0.3475 by changing the saturation by 10% instead.


 16.3449, 0.2404,
0.3475


 16.3449, 0.2404,
0.3475


231.3684, 0.2822,
0.3372


 9.7685, 0.2275,
0.3504


 37.1959, 0.2573,
0.3435


 5.2458, 0.2092,
0.3542


 52.2394, 0.2631,
0.3421


 2.3922, 0.1811,
0.3595

 70.8740, 0.2678,
0.3409

 0.8219, 0.0538,
0.3997

 93.4842, 0.2717,
0.3400

 0.0000, 0.0000,
0.0000

 120.4544, 0.2749,
0.3391

 152.1688, 0.2777,

0.3384

189.0120, 0.2801,
0.3378

■ 16.3449, 0.2404,
0.3475

■ 16.3449, 0.2404,
0.3475

■ 16.1258, 0.2362,
0.3505

■ 16.6449, 0.2464,
0.3445

■ 15.9771, 0.2337,
0.3535

■ 17.0310, 0.2541,
0.3416

■ 15.8737, 0.2323,
0.3564

■ 17.5105, 0.2634,
0.3388

■ 18.0892, 0.2741,
0.3361

■ 18.7724, 0.2860,
0.3336

■ 19.5652, 0.2988,
0.3312

■ 20.4721, 0.3122,
0.3291

■ 21.4977, 0.3261,
0.3271

■ 22.6459, 0.3401,
0.3254

Harmonies

Analogous

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



16.3449, 0.2837, 0.3997



16.3449, 0.2404, 0.3475



16.3449, 0.2171, 0.2945

Triad

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



16.3449, 0.2404, 0.3475



16.3449, 0.2812, 0.2482



16.3449, 0.4174, 0.3901

Complementary

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



16.3449, 0.2404, 0.3475



5.8750, 0.5162, 0.3161

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.



16.3449, 0.4188, 0.3486



16.3449, 0.2404, 0.3475



16.3449, 0.3360, 0.2709

Square

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



16.3449, 0.2404, 0.3475



16.3449, 0.2390, 0.2429



16.3449, 0.3881, 0.3064



16.3449, 0.3865, 0.4210

Rectangle

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



16.3449, 0.2404, 0.3475



16.3449, 0.2143, 0.2678



16.3449, 0.3881, 0.3064



16.3449, 0.4215, 0.3769

Sweetspot

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



16.3455, 0.2404, 0.3475



33.4677, 0.2846, 0.3339



15.3783, 0.3092, 0.5410



7.5483, 0.2819, 0.3344



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.



16.3455, 0.2404, 0.3475



28.7114, 0.2346, 0.3522



9.1555, 0.2133, 0.2409



4.8804, 0.3004, 0.3310



16.5664, 0.2323, 0.3564



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8750, 0.5162, 0.3161



8.6953, 0.5816, 0.3185



9.1570, 0.4792, 0.3944



4.3501, 0.3265, 0.3271



4.5761, 0.6254, 0.3219



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3449, 0.2404, 0.3475 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 16.3449, 0.2404, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

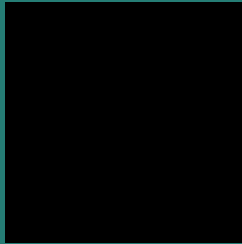
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3449, 0.2404, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 16.3449, 0.2404, 0.3475.

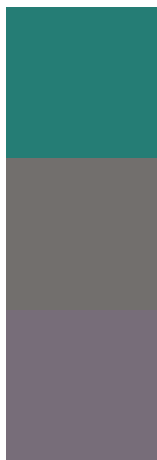


This preview shows how white text looks on a background with the Yxy color 16.3449, 0.2404, 0.3475.

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

16.3449, 0.2404, 0.3475

Protanopia

16.0504, 0.3192, 0.3331

Deuteranopia

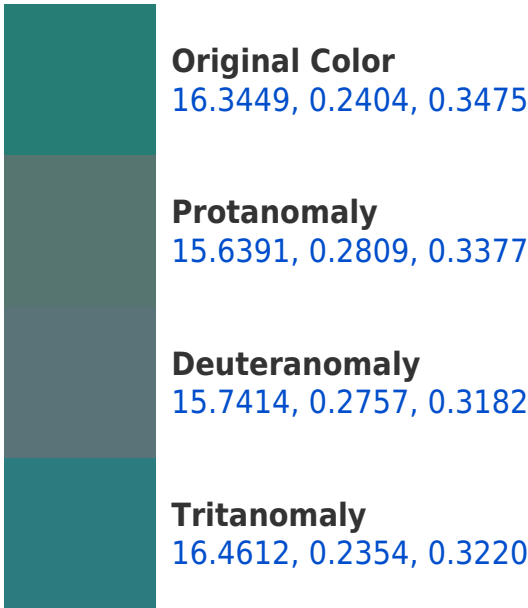
16.2397, 0.3111, 0.3057



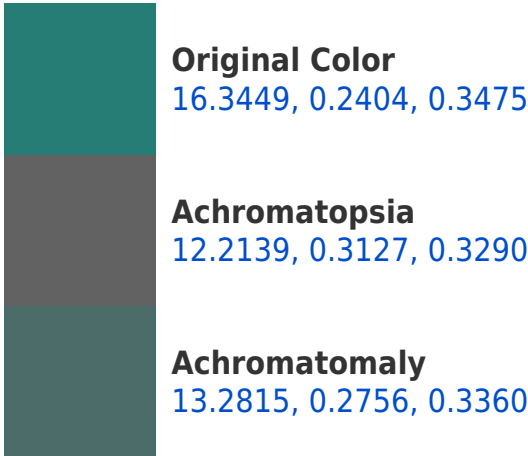
Tritanopia

16.4402, 0.2322, 0.3068

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3449, 0.2404, 0.3475 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(37, 125, 117)` looks like.

```
.text, #text, p{  
    color:rgb(37, 125, 117)  
}
```


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(37, 125, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 125, 117) }
```

Border

The CSS property to change the border of an element to Yxy 16.3449, 0.2404, 0.3475 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(37, 125, 117) }
```


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

```
.border{ border-color:rgb(37, 125, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 125, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 125, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 125, 117);  
box-shadow:4px 4px 4px 4px rgb(37, 125,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3449, 0.2404, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 125, 117) }
```

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

```
.background{ background-color: rgb(37, 125,  
117) }
```

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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