

Converting Colors

$Y_{xy}(8.4178, 0.0524, 0.3548)$

Have a look what the booklet for
Yxy(8.4178, 0.0524, 0.3548)
contains.

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Color

Yxy(11.8966, 0.2299, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	006D66
RGB	0, 109, 102
RGB Percent	0%, 43%, 40%
CMY	1.0000, 0.5725, 0.6000
CMYK	1.00, 0.00, 0.06, 0.57
HSL	176°, 100%, 21%
HSV	176°, 100%, 43%
XYZ	7.8661, 11.8966, 14.4525
YIQ	75.6110, -62.7170, -25.2850

Conversions

Conversions Part 2

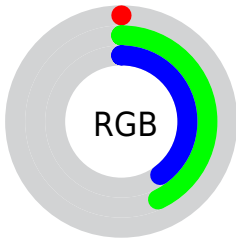
Format	Color
RYB	0, 56, 109
Decimal	28006
CIELab	41.05, -28.02, -3.66
CIElCh	41, 28.256, 187.436
Yxy	11.8966, 0.2299, 0.3477
Android (android.graphics.Color)	4278218086 (0xFF006D66)
YUV	75.6110, 13.0098, -66.3108
Hunter-Lab	34.4914, -19.6516, -0.6994

Details

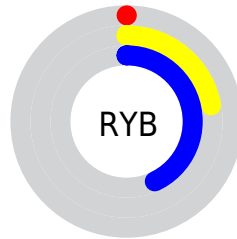
The Yxy color **11.8966, 0.2299, 0.3477** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.2668, 0.6277, 0.3231**, and the grayscale version is **7.1375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2855, 0.2507, 0.3431**, and **3.6133, 0.2321, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **11.8976, 0.2299, 0.3477**, and if you desaturate by 10%, it is **11.9820, 0.2319, 0.3457**.

Distribution



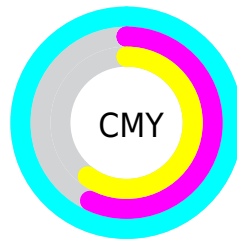
- Red (0%)
- Green (43%)
- Blue (40%)



- Red (0%)
- Yellow (22%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8966, 0.2299, 0.3477 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 11.8966, 0.2299, 0.3477 by changing the saturation by 10% instead.


 11.8966, 0.2299,
0.3477


 11.8966, 0.2299,
0.3477


203.7196, 0.2798,
0.3371


 6.6733, 0.2134,
0.3507


 29.3066, 0.2507,
0.3435


 3.2586, 0.1890,
0.3547

 42.2622, 0.2576,
0.3421

 1.2682, 0.1377,
0.3645

 58.5639, 0.2631,
0.3409

 0.1164, 0.0000,
0.2333


 78.5963, 0.2677,
0.3399

 0.0000, 0.0000,
0.0000

 102.7436, 0.2715,
0.3390


 131.3903, 0.2747,


0.3383

 164.9209, 0.2774,
0.3376

 11.8966, 0.2299,
0.3477


 11.8966, 0.2299,
0.3477

 11.8976, 0.2299,
0.3477

 11.9820, 0.2319,
0.3457

 12.0940, 0.2348,
0.3436

 12.2583, 0.2394,
0.3416

 12.4808, 0.2457,
0.3396

 12.7668, 0.2537,
0.3376

■ 13.1207, 0.2632,
0.3357

■ 13.5467, 0.2741,
0.3338

■ 14.0486, 0.2861,
0.3321

■ 14.6299, 0.2991,
0.3305

Harmonies

Analogous

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



11.8966, 0.2776, 0.4088



11.8966, 0.2299, 0.3477



11.8966, 0.2051, 0.2875

Triad

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



11.8966, 0.2299, 0.3477



11.8966, 0.2784, 0.2392



11.8966, 0.4304, 0.3978

Complementary

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



11.8966, 0.2299, 0.3477



3.2668, 0.6277, 0.3231

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.



11.8966, 0.4338, 0.3512



11.8966, 0.2299, 0.3477



11.8966, 0.3406, 0.2648

Square

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



11.8966, 0.2299, 0.3477



11.8966, 0.2309, 0.2324



11.8966, 0.3999, 0.3044



11.8966, 0.3939, 0.4335

Rectangle

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



11.8966, 0.2299, 0.3477



11.8966, 0.2027, 0.2583



11.8966, 0.3999, 0.3044



11.8966, 0.4357, 0.3829

Sweetspot

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



11.8976, 0.2299, 0.3477



24.1868, 0.2731, 0.3340



10.9852, 0.3026, 0.5979



5.5704, 0.2696, 0.3345



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8976, 0.2299, 0.3477



21.2958, 0.2301, 0.3482



4.5244, 0.1855, 0.1877



3.4887, 0.3005, 0.3303



13.9133, 0.2300, 0.3479



70.8452, 0.2303, 0.3490

Inverse Universe

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



3.2668, 0.6277, 0.3231



5.8419, 0.6309, 0.3249



5.3034, 0.5525, 0.3995



3.1196, 0.3264, 0.3277



3.8192, 0.6286, 0.3237



19.4131, 0.6350, 0.3272

Previews

White Background



This preview shows how the Yxy color 11.8966, 0.2299, 0.3477 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 11.8966, 0.2299, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

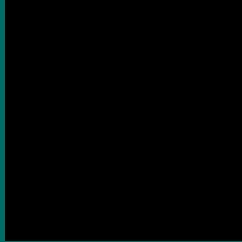
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8966, 0.2299, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 11.8966, 0.2299, 0.3477.



This preview shows how white text looks on a background with the Yxy color 11.8966, 0.2299, 0.3477.

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

11.8966, 0.2299, 0.3477

Protanopia

11.8446, 0.3187, 0.3313

Deuteranopia

11.8501, 0.3093, 0.3046



Tritanopia

11.9830, 0.2250, 0.3060

Trichromacy



Original Color

11.8966, 0.2299, 0.3477

Protanomaly

11.2460, 0.2666, 0.3366

Deuteranomaly

11.0470, 0.2616, 0.3162

Tritanomaly

11.9830, 0.2262, 0.3210

Monochromacy



Original Color

11.8966, 0.2299, 0.3477

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.2637, 0.2595, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8966, 0.2299, 0.3477 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, 109, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 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, 109, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 102) }
```

Border

The CSS property to change the border of an element to Yxy 11.8966, 0.2299, 0.3477 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, 109, 102) }
```

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

```
.border{ border-color:rgb(0, 109, 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, 109, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8966, 0.2299, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 102) }
```

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

```
.background{ background-color: rgb(0, 109,  
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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