

Converting Colors

$Y_{xy}(8.6780, 0.1002, 0.3604)$

Have a look what the booklet for
Yxy(8.6780, 0.1002, 0.3604)
contains.

Yxy(11.1899, 0.2309, 0.3510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.1899, 0.2309, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	006A62
RGB	0, 106, 98
RGB Percent	0%, 42%, 38%
CMY	0.9990, 0.5843, 0.6157
CMYK	1.00, 0.00, 0.08, 0.58
HSL	175°, 100%, 21%
HSV	175°, 100%, 42%
XYZ	7.3611, 11.1899, 13.3291
YIQ	73.3940, -60.6080, -24.9600

Conversions

Conversions Part 2

Format	Color
RYB	0, 55, 106
Decimal	27234
CIELab	39.90, -27.81, -2.93
CIELCh	40, 27.969, 186.012
Yxy	11.1899, 0.2309, 0.3510
Android (android.graphics.Color)	4278217314 (0xFF006A62)
YUV	73.3940, 12.1308, -64.3665
Hunter-Lab	33.4513, -19.2601, -0.2089

Details

The Yxy color **11.1899, 0.2309, 0.3510** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.0871, 0.6244, 0.3218**, and the grayscale version is **6.7346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0795, 0.2518, 0.3453**, and **3.2740, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **11.1884, 0.2309, 0.3511**, and if you desaturate by 10%, it is **11.2740, 0.2329, 0.3486**.

Distribution



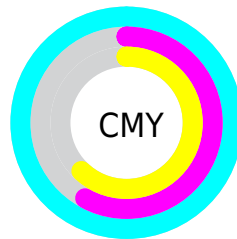
- Red (0%)
- Green (42%)
- Blue (38%)



- Red (0%)
- Yellow (22%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1899, 0.2309, 0.3510 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 11.1899, 0.2309, 0.3510 by changing the saturation by 10% instead.


 11.1899, 0.2309,
0.3510


 11.1899, 0.2309,
0.3510


198.9658, 0.2806,
0.3382


 6.1947, 0.2141,
0.3549

 28.0108, 0.2518,
0.3458


 2.9638, 0.1890,
0.3603

 40.6053, 0.2587,
0.3440

 1.1129, 0.1232,
0.3783

 56.5017, 0.2642,
0.3426

 0.0000, 0.0000,
0.0000


 76.0843, 0.2687,
0.3414


 99.7377, 0.2724,
0.3404


 127.8461, 0.2756,


0.3395


 160.7940, 0.2783,
0.3388


 11.1899, 0.2309,
0.3510


 11.1899, 0.2309,
0.3510

 11.1884, 0.2309,
0.3511

 11.2740, 0.2329,
0.3486

 11.3836, 0.2358,
0.3462

 11.5426, 0.2404,
0.3438

 11.7563, 0.2466,
0.3414

 12.0297, 0.2546,
0.3390

■ 12.3669, 0.2640,
0.3368

■ 12.7717, 0.2748,
0.3346

■ 13.2477, 0.2868,
0.3326

■ 13.7983, 0.2996,
0.3307

Harmonies

Analogous

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



11.1899, 0.2799, 0.4122



11.1899, 0.2309, 0.3510



11.1899, 0.2047, 0.2895

Triad

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



11.1899, 0.2309, 0.3510



11.1899, 0.2753, 0.2376



11.1899, 0.4325, 0.3963

Complementary

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



11.1899, 0.2309, 0.3510



3.0871, 0.6244, 0.3218

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.



11.1899, 0.4342, 0.3490



11.1899, 0.2309, 0.3510



11.1899, 0.3378, 0.2626

Square

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



11.1899, 0.2309, 0.3510



11.1899, 0.2284, 0.2317



11.1899, 0.3983, 0.3020



11.1899, 0.3969, 0.4332

Rectangle

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



11.1899, 0.2309, 0.3510



11.1899, 0.2015, 0.2593



11.1899, 0.3983, 0.3020



11.1899, 0.4373, 0.3810

Sweetspot

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



11.1903, 0.2309, 0.3510



22.3365, 0.2736, 0.3348



10.3657, 0.3034, 0.5970



5.1797, 0.2703, 0.3355



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.1903, 0.2309, 0.3510



19.6312, 0.2310, 0.3517



4.4798, 0.1874, 0.1942



3.4882, 0.3006, 0.3306



13.8848, 0.2309, 0.3513



70.6922, 0.2313, 0.3527

Inverse Universe

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



3.0871, 0.6244, 0.3218



5.4005, 0.6289, 0.3238



4.8886, 0.5559, 0.3963



3.1201, 0.3262, 0.3275



3.8221, 0.6267, 0.3226



19.4218, 0.6339, 0.3265

Previews

White Background



This preview shows how the Yxy color 11.1899, 0.2309, 0.3510 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 11.1899, 0.2309, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

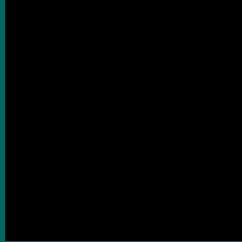
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1899, 0.2309, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 11.1899, 0.2309, 0.3510.



This preview shows how white text looks on a background with the Yxy color 11.1899, 0.2309, 0.3510.

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

11.1899, 0.2309, 0.3510

Protanopia

11.0708, 0.3203, 0.3337

Deuteranopia

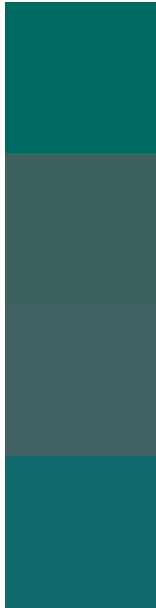
11.1311, 0.3122, 0.3063



Tritanopia

11.2772, 0.2260, 0.3079

Trichromacy



Original Color

11.1899, 0.2309, 0.3510

Protanomaly

10.5356, 0.2679, 0.3395

Deuteranomaly

10.3758, 0.2639, 0.3185

Tritanomaly

11.2748, 0.2272, 0.3234

Monochromacy



Original Color

11.1899, 0.2309, 0.3510

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.7105, 0.2606, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1899, 0.2309, 0.3510 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, 106, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 98)  
}
```

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, 106, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 98) }
```

Border

The CSS property to change the border of an element to Yxy 11.1899, 0.2309, 0.3510 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, 106, 98) }
```

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

```
.border{ border-color:rgb(0, 106, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 106, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.1899, 0.2309, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 98) }
```

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

```
.background{ background-color: rgb(0, 106,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor