

Converting Colors

$Y_{xy}(9.6640, 0.1520, 0.2860)$

Have a look what the booklet for
Yxy(9.6640, 0.1520, 0.2860)
contains.

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Color

$Y_{xy}(11.2325, 0.2140, 0.2903)$

Conversions

Conversions Part 1

Format	Color
Hex	006877
RGB	0, 104, 119
RGB Percent	0%, 41%, 47%
CMY	0.9996, 0.5922, 0.5334
CMYK	1.00, 0.13, 0.00, 0.53
HSL	188°, 100%, 23%
HSV	188°, 100%, 47%
XYZ	8.2802, 11.2325, 19.1800
YIQ	74.6140, -66.7990, -17.3830

Conversions

Conversions Part 2

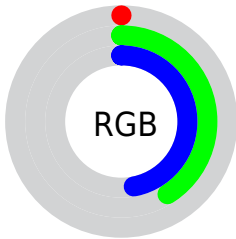
Format	Color
RYB	0, 55, 119
Decimal	26743
CIELab	39.97, -19.60, -15.62
CIElCh	40, 25.056, 218.551
Yxy	11.2325, 0.2140, 0.2903
Android (android.graphics.Color)	4278216823 (0xFF006877)
YUV	74.6140, 21.8823, -65.4365
Hunter-Lab	33.5149, -14.5506, -10.4702

Details

The Yxy color **11.2325, 0.2140, 0.2903** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.2655, 0.6243, 0.3423**, and the grayscale version is **6.9378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9607, 0.2384, 0.3011**, and **3.3812, 0.2087, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **11.2295, 0.2140, 0.2903**, and if you desaturate by 10%, it is **11.6151, 0.2176, 0.2945**.

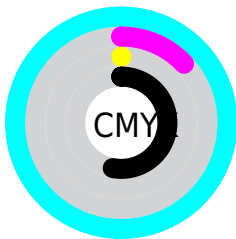
Distribution



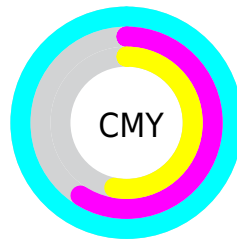
- Red (0%)
- Green (41%)
- Blue (47%)



- Red (0%)
- Yellow (22%)
- Blue (47%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (53%)





- Cyan (100%)
- Magenta (59%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2325, 0.2140, 0.2903 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 11.2325, 0.2140, 0.2903 by changing the saturation by 10% instead.


 11.2325, 0.2140,
0.2903


 11.2325, 0.2140,
0.2903


 199.2558, 0.2728,
0.3156


 6.2234, 0.1952,
0.2807

 28.0893, 0.2382,
0.3015


 2.9814, 0.1681,
0.2653


 40.7058, 0.2463,
0.3051

 1.1220, 0.1217,
0.2392

 56.6270, 0.2529,
0.3078

 0.0000, 0.0000,
0.0000

 76.2371, 0.2583,
0.3100

 99.9207, 0.2628,
0.3118

 128.0621, 0.2667,

0.3133

161.0456, 0.2699,
0.3145

11.2325, 0.2140,
0.2903

11.2325, 0.2140,
0.2903

11.2295, 0.2140,
0.2903

11.6151, 0.2176,
0.2945

12.0400, 0.2224,
0.2987

12.5340, 0.2288,
0.3030

13.1046, 0.2370,
0.3072

13.7581, 0.2468,
0.3113

■ 14.5003, 0.2581,
0.3153

■ 15.3364, 0.2706,
0.3191

■ 16.2711, 0.2840,
0.3226

■ 17.3088, 0.2982,
0.3260

Harmonies

Analogous

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



11.2325, 0.2362, 0.3441



11.2325, 0.2140, 0.2903



11.2325, 0.2153, 0.2544

Triad

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



11.2325, 0.2140, 0.2903



11.2325, 0.3404, 0.2715



11.2325, 0.3853, 0.4248

Complementary

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



11.2325, 0.2140, 0.2903



4.2655, 0.6243, 0.3423

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.



11.2325, 0.4188, 0.3940



11.2325, 0.2140, 0.2903



11.2325, 0.3931, 0.3085

Square

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



11.2325, 0.2140, 0.2903



11.2325, 0.2837, 0.2473



11.2325, 0.4226, 0.3518



11.2325, 0.3339, 0.4294

Rectangle

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



11.2325, 0.2140, 0.2903



11.2325, 0.2289, 0.2428



11.2325, 0.4226, 0.3518



11.2325, 0.3992, 0.4167

Sweetspot

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



11.2329, 0.2140, 0.2903



27.3356, 0.2695, 0.3188



13.2228, 0.2965, 0.5873



6.3536, 0.2651, 0.3175



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.



11.2329, 0.2140, 0.2903



19.9767, 0.2137, 0.2892



3.2611, 0.1690, 0.1284



4.0803, 0.2995, 0.3263



11.9242, 0.2139, 0.2901



57.2446, 0.2133, 0.2879

Inverse Universe

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



4.9228, 0.3541, 0.1725



8.7990, 0.3550, 0.1729



8.7411, 0.5028, 0.4388



3.7504, 0.3154, 0.3107



5.2277, 0.3542, 0.1725



25.3883, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 11.2325, 0.2140, 0.2903 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 11.2325, 0.2140, 0.2903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

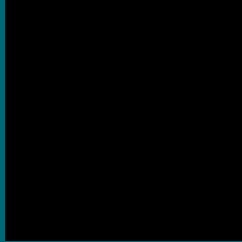
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2325, 0.2140, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 11.2325, 0.2140, 0.2903.

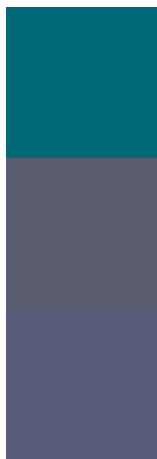


This preview shows how white text looks on a background with the Yxy color 11.2325, 0.2140, 0.2903.

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

11.2325, 0.2140, 0.2903

Protanopia

11.1722, 0.2825, 0.2855

Deuteranopia

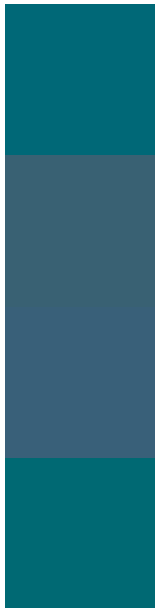
11.1833, 0.2689, 0.2625



Tritanopia

11.2954, 0.2188, 0.3077

Trichromacy



Original Color

11.2325, 0.2140, 0.2903

Protanomaly

10.6571, 0.2414, 0.2841

Deuteranomaly

10.6161, 0.2355, 0.2682

Tritanomaly

11.3410, 0.2174, 0.3027

Monochromacy



Original Color

11.2325, 0.2140, 0.2903

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.0393, 0.2515, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2325, 0.2140, 0.2903 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, 104, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 119)  
}
```

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, 104, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 119) }
```

Border

The CSS property to change the border of an element to Yxy 11.2325, 0.2140, 0.2903 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, 104, 119) }
```

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

```
.border{ border-color:rgb(0, 104, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2325, 0.2140, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 119) }
```

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

```
.background{ background-color: rgb(0, 104,  
119) }
```

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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