

Converting Colors

$Y_{xy}(9.3826, 0.1406, 0.2791)$

Have a look what the booklet for
Yxy(9.3826, 0.1406, 0.2791)
contains.

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Color

$Y_{xy}(11.2811, 0.2127, 0.2856)$

Conversions

Conversions Part 1

Format	Color
Hex	006879
RGB	0, 104, 121
RGB Percent	0%, 41%, 47%
CMY	0.9995, 0.5922, 0.5256
CMYK	1.00, 0.14, 0.00, 0.53
HSL	188°, 100%, 24%
HSV	188°, 100%, 47%
XYZ	8.4016, 11.2811, 19.8170
YIQ	74.8420, -67.4410, -16.7610

Conversions

Conversions Part 2

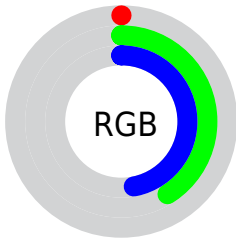
Format	Color
RYB	0, 56, 121
Decimal	26745
CIELab	40.05, -18.87, -16.70
CIELCh	40, 25.197, 221.522
Yxy	11.2811, 0.2127, 0.2856
Android (android.graphics.Color)	4278216825 (0xFF006879)
YUV	74.8420, 22.7559, -65.6364
Hunter-Lab	33.5873, -14.1277, -11.4707

Details

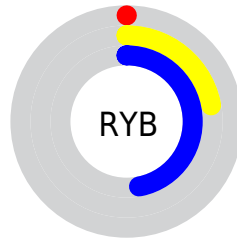
The Yxy color **11.2811, 0.2127, 0.2856** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.4682, 0.6222, 0.3439**, and the grayscale version is **6.9808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0376, 0.2372, 0.2979**, and **3.3941, 0.2077, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **11.2768, 0.2127, 0.2855**, and if you desaturate by 10%, it is **11.7062, 0.2165, 0.2904**.

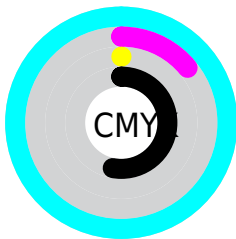
Distribution



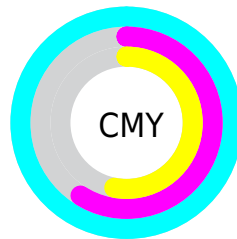
- Red (0%)
- Green (41%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (53%)





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2811, 0.2127, 0.2856 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 11.2811, 0.2127, 0.2856 by changing the saturation by 10% instead.


 11.2811, 0.2127,
0.2856


 11.2811, 0.2127,
0.2856


 199.5860, 0.2722,
0.3137

 6.2562, 0.1938,
0.2751


 28.1788, 0.2371,
0.2980


 3.0015, 0.1666,
0.2585

 40.8204, 0.2454,
0.3019


 1.1325, 0.1215,
0.2305

 56.7698, 0.2520,
0.3050

 0.0055, 0.0000,
0.0046

 76.4112, 0.2575,
0.3074

 0.0000, 0.0000,
0.0000

 100.1292, 0.2621,
0.3094

 128.3081, 0.2659,

0.3111

161.3322, 0.2693,
0.3125

11.2811, 0.2127,
0.2856

11.2811, 0.2127,
0.2856

11.2768, 0.2127,
0.2855

11.7062, 0.2165,
0.2904

12.1772, 0.2214,
0.2951

12.7213, 0.2280,
0.2999

13.3464, 0.2364,
0.3046

14.0590, 0.2464,
0.3092

■ 14.8652, 0.2578,
0.3137

■ 15.7704, 0.2704,
0.3179

■ 16.7794, 0.2840,
0.3219

■ 17.8970, 0.2982,
0.3256

Harmonies

Analogous

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



11.2811, 0.2327, 0.3383



11.2811, 0.2127, 0.2856



11.2811, 0.2163, 0.2518

Triad

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



11.2811, 0.2127, 0.2856



11.2811, 0.3462, 0.2745



11.2811, 0.3811, 0.4271

Complementary

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



11.2811, 0.2127, 0.2856



4.4682, 0.6222, 0.3439

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.



11.2811, 0.4171, 0.3981



11.2811, 0.2127, 0.2856



11.2811, 0.3977, 0.3125

Square

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



11.2811, 0.2127, 0.2856



11.2811, 0.2889, 0.2487



11.2811, 0.4243, 0.3562



11.2811, 0.3284, 0.4284

Rectangle

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



11.2811, 0.2127, 0.2856



11.2811, 0.2315, 0.2416



11.2811, 0.4243, 0.3562



11.2811, 0.3956, 0.4197

Sweetspot

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



11.2815, 0.2127, 0.2856



28.1040, 0.2693, 0.3176



13.7088, 0.2960, 0.5853



6.2976, 0.2649, 0.3162



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.



11.2815, 0.2127, 0.2856



20.0483, 0.2123, 0.2844



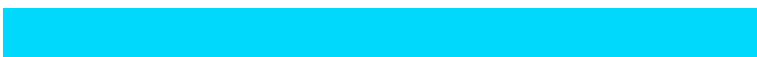
3.2155, 0.1677, 0.1234



4.4210, 0.2994, 0.3259



12.0771, 0.2126, 0.2854



56.6720, 0.2119, 0.2829

Inverse Universe

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



5.0659, 0.3583, 0.1748



9.0536, 0.3594, 0.1754



9.3254, 0.4985, 0.4422



4.0683, 0.3156, 0.3108



5.4261, 0.3585, 0.1749



25.7883, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 11.2811, 0.2127, 0.2856 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 11.2811, 0.2127, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

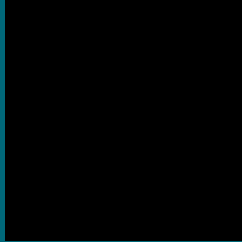
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2811, 0.2127, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 11.2811, 0.2127, 0.2856.

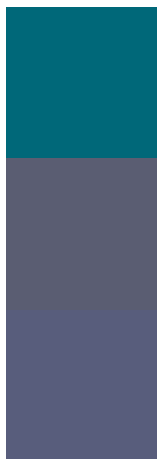


This preview shows how white text looks on a background with the Yxy color 11.2811, 0.2127, 0.2856.

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

11.2811, 0.2127, 0.2856

Protanopia

11.2173, 0.2800, 0.2813

Deuteranopia

11.3586, 0.2656, 0.2606



Tritanopia

11.2954, 0.2188, 0.3077

Trichromacy



Original Color

11.2811, 0.2127, 0.2856

Protanomaly

10.7036, 0.2396, 0.2795

Deuteranomaly

10.8202, 0.2334, 0.2663

Tritanomaly

11.3641, 0.2167, 0.3002

Monochromacy



Original Color

11.2811, 0.2127, 0.2856

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.0567, 0.2504, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2811, 0.2127, 0.2856 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 121) }
```

Border

The CSS property to change the border of an element to Yxy 11.2811, 0.2127, 0.2856 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, 121) }
```

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

```
.border{ border-color:rgb(0, 104, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2811, 0.2127, 0.2856 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, 121) }
```

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

```
.background{ background-color: rgb(0, 104,  
121) }
```

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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