

Converting Colors

$Y_{xy}(11.2510, 0.2114, 0.2894)$

Have a look what the booklet for
Yxy(11.2510, 0.2114, 0.2894)
contains.

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Color

Yxy(11.2567, 0.2133, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	006878
RGB	0, 104, 120
RGB Percent	0%, 41%, 47%
CMY	1.0000, 0.5921, 0.5294
CMYK	1.00, 0.13, 0.00, 0.53
HSL	188°, 100%, 24%
HSV	188°, 100%, 47%
XYZ	8.3399, 11.2567, 19.5028
YIQ	74.7280, -67.1200, -17.0720

Conversions

Conversions Part 2

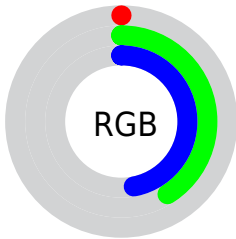
Format	Color
RYB	0, 56, 120
Decimal	26744
CIELab	40.01, -19.24, -16.17
CIELCh	40, 25.131, 220.051
Yxy	11.2567, 0.2133, 0.2879
Android (android.graphics.Color)	4278216824 (0xFF006878)
YUV	74.7280, 22.3191, -65.5365
Hunter-Lab	33.5510, -14.3439, -10.9788

Details

The Yxy color **11.2567, 0.2133, 0.2879** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.3637, 0.6236, 0.3431**, and the grayscale version is **6.9533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9990, 0.2378, 0.2995**, and **3.3941, 0.2077, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **11.2574, 0.2133, 0.2879**, and if you desaturate by 10%, it is **11.6608, 0.2170, 0.2924**.

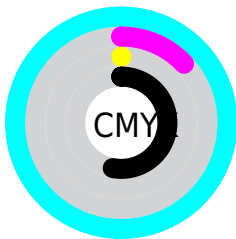
Distribution



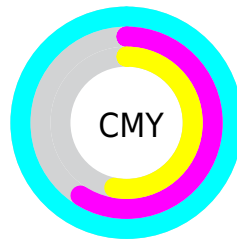
- Red (0%)
- Green (41%)
- Blue (47%)



- 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 11.2567, 0.2133, 0.2879 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 11.2567, 0.2133, 0.2879 by changing the saturation by 10% instead.


 11.2567, 0.2133,
0.2879


 11.2567, 0.2133,
0.2879


199.4203, 0.2724,
0.3146


 6.2398, 0.1944,
0.2778


 28.1339, 0.2376,
0.2997

 2.9914, 0.1673,
0.2618

 40.7629, 0.2458,
0.3035

 1.1273, 0.1215,
0.2347

 56.6981, 0.2524,
0.3064

 0.0011, 0.0000,
0.0009

 76.3239, 0.2579,
0.3087

 0.0000, 0.0000,
0.0000

 100.0246, 0.2624,
0.3106

 128.1846, 0.2663,

0.3122

161.1884, 0.2696,
0.3135

11.2567, 0.2133,
0.2879

11.2567, 0.2133,
0.2879

11.2574, 0.2133,
0.2879

11.6608, 0.2170,
0.2924

12.1081, 0.2218,
0.2969

12.6265, 0.2283,
0.3014

13.2235, 0.2366,
0.3058

13.9057, 0.2465,
0.3102

■ 14.6790, 0.2578,
0.3144

■ 15.5486, 0.2704,
0.3185

■ 16.5194, 0.2839,
0.3222

■ 17.5960, 0.2981,
0.3258

Harmonies

Analogous

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



11.2567, 0.2344, 0.3412



11.2567, 0.2133, 0.2879



11.2567, 0.2158, 0.2530

Triad

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



11.2567, 0.2133, 0.2879



11.2567, 0.3433, 0.2730



11.2567, 0.3832, 0.4260

Complementary

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



11.2567, 0.2133, 0.2879



4.3637, 0.6236, 0.3431

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.



11.2567, 0.4180, 0.3961



11.2567, 0.2133, 0.2879



11.2567, 0.3955, 0.3105

Square

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



11.2567, 0.2133, 0.2879



11.2567, 0.2863, 0.2480



11.2567, 0.4235, 0.3540



11.2567, 0.3312, 0.4290

Rectangle

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



11.2567, 0.2133, 0.2879



11.2567, 0.2302, 0.2421



11.2567, 0.4235, 0.3540



11.2567, 0.3974, 0.4182

Sweetspot

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



11.2574, 0.2133, 0.2879



27.2281, 0.2694, 0.3182



13.4650, 0.2965, 0.5875



6.3255, 0.2650, 0.3168



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.



11.2574, 0.2133, 0.2879



19.6609, 0.2130, 0.2869



3.3101, 0.1689, 0.1280



4.4257, 0.2994, 0.3261



12.2663, 0.2133, 0.2877



57.6129, 0.2126, 0.2854

Inverse Universe

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



4.9927, 0.3562, 0.1736



8.7671, 0.3572, 0.1741



8.8909, 0.5031, 0.4387



4.0688, 0.3155, 0.3107



5.4452, 0.3564, 0.1737



25.8832, 0.3585, 0.1749

Previews

White Background



This preview shows how the Yxy color 11.2567, 0.2133, 0.2879 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 11.2567, 0.2133, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

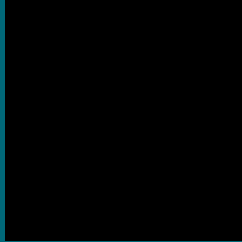
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2567, 0.2133, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 11.2567, 0.2133, 0.2879.

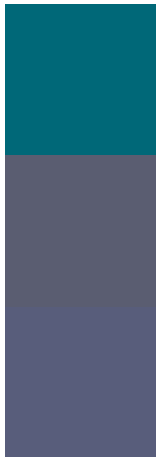


This preview shows how white text looks on a background with the Yxy color 11.2567, 0.2133, 0.2879.

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

11.2567, 0.2133, 0.2879

Protanopia

11.1946, 0.2813, 0.2834

Deuteranopia

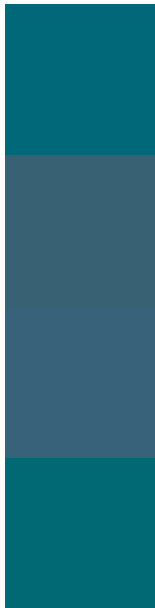
11.3335, 0.2667, 0.2625



Tritanopia

11.2954, 0.2188, 0.3077

Trichromacy



Original Color

11.2567, 0.2133, 0.2879

Protanomaly

10.6802, 0.2405, 0.2818

Deuteranomaly

10.7953, 0.2342, 0.2685

Tritanomaly

11.3641, 0.2167, 0.3002

Monochromacy



Original Color

11.2567, 0.2133, 0.2879

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 11.2567, 0.2133, 0.2879 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 120) }
```

Border

The CSS property to change the border of an element to Yxy 11.2567, 0.2133, 0.2879 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, 120) }
```

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

```
.border{ border-color:rgb(0, 104, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2567, 0.2133, 0.2879 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, 120) }
```

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

```
.background{ background-color: rgb(0, 104,  
120) }
```

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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