

Converting Colors

$Y_{xy}(8.4654, 0.0866, 0.2875)$

Have a look what the booklet for
Yxy(8.4654, 0.0866, 0.2875)
contains.

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Color

$Y_{xy}(11.3875, 0.2161, 0.2978)$

Conversions

Conversions Part 1

Format	Color
Hex	006975
RGB	0, 105, 117
RGB Percent	0%, 41%, 46%
CMY	0.9993, 0.5882, 0.5412
CMYK	1.00, 0.10, 0.00, 0.54
HSL	186°, 100%, 23%
HSV	186°, 100%, 46%
XYZ	8.2634, 11.3875, 18.5879
YIQ	74.9730, -66.4320, -18.5280

Conversions

Conversions Part 2

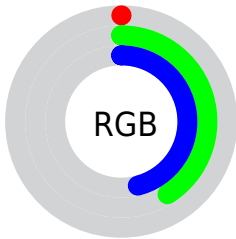
Format	Color
RYB	0, 55, 117
Decimal	26997
CIELab	40.23, -20.85, -14.01
CIELCh	40, 25.118, 213.894
Yxy	11.3875, 0.2161, 0.2978
Android (android.graphics.Color)	4278217077 (0xFF006975)
YUV	74.9730, 20.7193, -65.7513
Hunter-Lab	33.7454, -15.3442, -9.0368

Details

The Yxy color **11.3875, 0.2161, 0.2978** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.0486, 0.6271, 0.3399**, and the grayscale version is **7.0118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5150, 0.2398, 0.3080**, and **3.3559, 0.2108, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **11.3829, 0.2160, 0.2977**, and if you desaturate by 10%, it is **11.7104, 0.2195, 0.3012**.

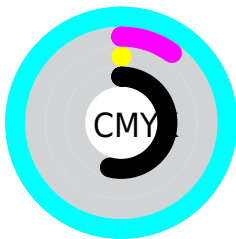
Distribution



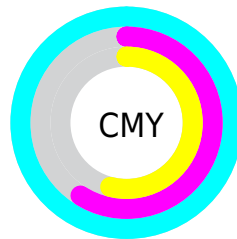
- Red (0%)
- Green (41%)
- Blue (46%)



- Red (0%)
- Yellow (22%)
- Blue (46%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (54%)





- Cyan (100%)
- Magenta (59%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3875, 0.2161, 0.2978 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 11.3875, 0.2161, 0.2978 by changing the saturation by 10% instead.


 11.3875, 0.2161,
0.2978


 11.3875, 0.2161,
0.2978


 200.3071, 0.2737,
0.3185


 6.3281, 0.1976,
0.2897


 28.3745, 0.2398,
0.3071


 3.0456, 0.1710,
0.2765

 41.0709, 0.2478,
0.3100

 1.1556, 0.1246,
0.2540

 57.0818, 0.2542,
0.3122

 0.0250, 0.0000,
0.0242

 76.7916, 0.2595,
0.3140


 0.0000, 0.0000,
0.0000


 100.5846, 0.2639,
0.3154


 128.8452, 0.2677,


0.3166


 161.9579, 0.2709,
0.3176


 11.3875, 0.2161,
0.2978


 11.3875, 0.2161,
0.2978


 11.3829, 0.2160,
0.2977

 11.7104, 0.2195,
0.3012

 12.0720, 0.2239,
0.3046

 12.4984, 0.2301,
0.3080

 12.9968, 0.2380,
0.3114

 13.5733, 0.2476,
0.3147

■ 14.2333, 0.2586,
0.3179

■ 14.9817, 0.2709,
0.3210

■ 15.8232, 0.2843,
0.3238

■ 16.7619, 0.2984,
0.3266

Harmonies

Analogous

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



11.3875, 0.2419, 0.3531



11.3875, 0.2161, 0.2978



11.3875, 0.2137, 0.2587

Triad

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



11.3875, 0.2161, 0.2978



11.3875, 0.3313, 0.2669



11.3875, 0.3919, 0.4212

Complementary

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



11.3875, 0.2161, 0.2978



4.0486, 0.6271, 0.3399

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.



11.3875, 0.4214, 0.3878



11.3875, 0.2161, 0.2978



11.3875, 0.3858, 0.3022

Square

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



11.3875, 0.2161, 0.2978



11.3875, 0.2758, 0.2452



11.3875, 0.4199, 0.3449



11.3875, 0.3424, 0.4307

Rectangle

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



11.3875, 0.2161, 0.2978



11.3875, 0.2250, 0.2448



11.3875, 0.4199, 0.3449



11.3875, 0.4046, 0.4119

Sweetspot

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



11.3879, 0.2161, 0.2978



26.7024, 0.2697, 0.3207



12.7469, 0.2970, 0.5891



6.0348, 0.2656, 0.3197



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



11.3879, 0.2161, 0.2978



20.2753, 0.2158, 0.2969



3.3107, 0.1705, 0.1336



4.0942, 0.2995, 0.3268



12.5316, 0.2160, 0.2976



60.3411, 0.2155, 0.2958

Inverse Universe

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



4.8049, 0.3474, 0.1688



8.5869, 0.3481, 0.1692



8.1950, 0.5070, 0.4354



3.7518, 0.3151, 0.3102



5.2891, 0.3475, 0.1688



25.7009, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 11.3875, 0.2161, 0.2978 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 11.3875, 0.2161, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

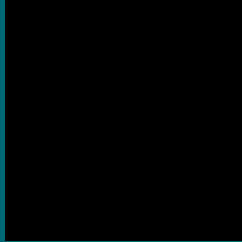
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3875, 0.2161, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 11.3875, 0.2161, 0.2978.

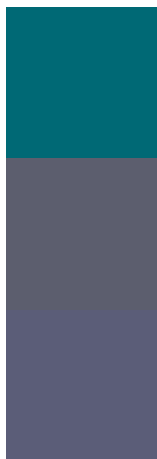


This preview shows how white text looks on a background with the Yxy color 11.3875, 0.2161, 0.2978.

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

11.3875, 0.2161, 0.2978

Protanopia

11.4065, 0.2880, 0.2925

Deuteranopia

11.4089, 0.2741, 0.2692



Tritanopia

11.3181, 0.2181, 0.3052

Trichromacy



Original Color

11.3875, 0.2161, 0.2978

Protanomaly

10.8574, 0.2457, 0.2915

Deuteranomaly

10.7808, 0.2387, 0.2752

Tritanomaly

11.3410, 0.2174, 0.3027

Monochromacy



Original Color

11.3875, 0.2161, 0.2978

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.0221, 0.2527, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3875, 0.2161, 0.2978 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, 105, 117)` looks like.

```
.text, #text, p{  
  color:rgb(0, 105, 117)  
}
```

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, 105, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 117) }
```

Border

The CSS property to change the border of an element to Yxy 11.3875, 0.2161, 0.2978 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, 105, 117) }
```

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

```
.border{ border-color:rgb(0, 105, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3875, 0.2161, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 117) }
```

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

```
.background{ background-color: rgb(0, 105,  
117) }
```

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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