

Converting Colors

$Y_{xy}(13.1996, 0.2127, 0.2858)$

Have a look what the booklet for
Yxy(13.1996, 0.2127, 0.2858)
contains.

Yxy(13.2000, 0.2128, 0.2859)	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

$Y_{xy}(13.2000, 0.2128, 0.2859)$

Conversions

Conversions Part 1

Format	Color
Hex	007082
RGB	0, 112, 130
RGB Percent	0%, 44%, 51%
CMY	0.9990, 0.5608, 0.4902
CMYK	1.00, 0.14, 0.00, 0.49
HSL	188°, 100%, 26%
HSV	188°, 100%, 51%
XYZ	9.8250, 13.2000, 23.1450
YIQ	80.5640, -72.5300, -18.1460

Conversions

Conversions Part 2

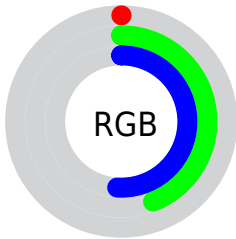
Format	Color
RYB	0, 60, 130
Decimal	28802
CIELab	43.06, -19.92, -17.53
CIELCh	43, 26.537, 221.339
Yxy	13.2000, 0.2128, 0.2859
Android (android.graphics.Color)	4278218882 (0xFF007082)
YUV	80.5640, 24.3719, -70.6546
Hunter-Lab	36.3318, -15.3101, -12.3382

Details

The Yxy color **13.2000, 0.2128, 0.2859** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.1861, 0.6233, 0.3429**, and the grayscale version is **8.1149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6753, 0.2362, 0.2977**, and **4.2609, 0.2073, 0.2661** is the 20% darker color. If you saturate the color by 10%, you get **13.1911, 0.2127, 0.2858**, and if you desaturate by 10%, it is **13.6882, 0.2164, 0.2906**.

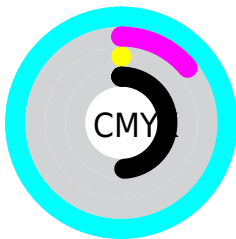
Distribution



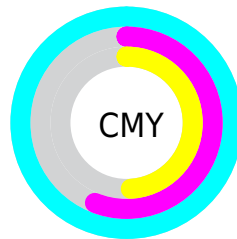
- Red (0%)
- Green (44%)
- Blue (51%)



- Red (0%)
- Yellow (24%)
- Blue (51%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (56%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2000, 0.2128, 0.2859 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 13.2000, 0.2128, 0.2859 by changing the saturation by 10% instead.

13.2000, 0.2128,
0.2859

13.2000, 0.2128,
0.2859

212.1955, 0.2709,
0.3133

7.5664, 0.1950,
0.2761

31.6626, 0.2362,
0.2978

3.8188, 0.1700,
0.2610

45.2605, 0.2443,
0.3016

1.5727, 0.1332,
0.2357

62.2818, 0.2508,
0.3046

0.3391, 0.0000,
0.1629

83.1111, 0.2562,
0.3070

0.0000, 0.0000,
0.0000

108.1327, 0.2608,
0.3090

137.7311, 0.2647,

0.3107

172.2905, 0.2680,
0.3121

■ 13.2000, 0.2128,
0.2859

■ 13.2000, 0.2128,
0.2859

■ 13.1911, 0.2127,
0.2858

■ 13.6882, 0.2164,
0.2906

■ 14.2334, 0.2212,
0.2953

■ 14.8646, 0.2278,
0.3001

■ 15.5911, 0.2361,
0.3048

■ 16.4209, 0.2461,
0.3094

■ 17.3610, 0.2576,
0.3138

■ 18.4181, 0.2703,
0.3180

■ 19.5980, 0.2839,
0.3220

■ 20.9063, 0.2982,
0.3257

Harmonies

Analogous

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



13.2000, 0.2329, 0.3387



13.2000, 0.2128, 0.2859



13.2000, 0.2163, 0.2519

Triad

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



13.2000, 0.2128, 0.2859



13.2000, 0.3459, 0.2743



13.2000, 0.3813, 0.4269

Complementary

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



13.2000, 0.2128, 0.2859



5.1861, 0.6233, 0.3429

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.



13.2000, 0.4172, 0.3978



13.2000, 0.2128, 0.2859



13.2000, 0.3974, 0.3122

Square

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



13.2000, 0.2128, 0.2859



13.2000, 0.2886, 0.2486



13.2000, 0.4241, 0.3560



13.2000, 0.3288, 0.4285

Rectangle

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



13.2000, 0.2128, 0.2859



13.2000, 0.2314, 0.2416



13.2000, 0.4241, 0.3560



13.2000, 0.3958, 0.4195

Sweetspot

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



13.2005, 0.2128, 0.2859



32.2705, 0.2691, 0.3177



16.0062, 0.2962, 0.5860



7.1525, 0.2646, 0.3162



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.2005, 0.2128, 0.2859



23.0764, 0.2124, 0.2848



3.7125, 0.1674, 0.1223



4.7884, 0.2993, 0.3259



12.6578, 0.2128, 0.2859



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.9202, 0.3580, 0.1747



10.4008, 0.3591, 0.1752



10.8435, 0.4991, 0.4416



4.4025, 0.3156, 0.3106



5.6723, 0.3581, 0.1746



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.2000, 0.2128, 0.2859 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 13.2000, 0.2128, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

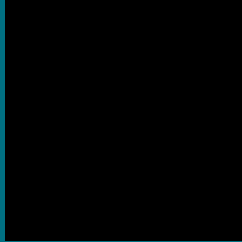
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2000, 0.2128, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 13.2000, 0.2128, 0.2859.

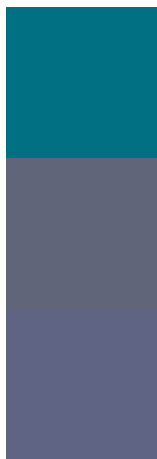


This preview shows how white text looks on a background with the Yxy color 13.2000, 0.2128, 0.2859.

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

13.2000, 0.2128, 0.2859

Protanopia

13.2539, 0.2809, 0.2842

Deuteranopia

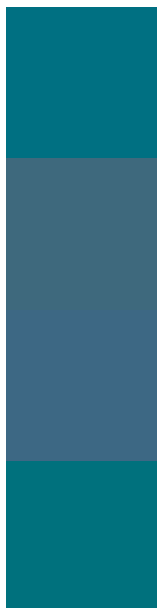
13.2407, 0.2660, 0.2607



Tritanopia

13.2154, 0.2185, 0.3066

Trichromacy



Original Color

13.2000, 0.2128, 0.2859

Protanomaly

12.6080, 0.2407, 0.2826

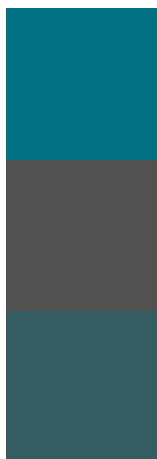
Deuteranomaly

12.5587, 0.2335, 0.2657

Tritanomaly

13.2909, 0.2166, 0.2996

Monochromacy



Original Color

13.2000, 0.2128, 0.2859

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.2852, 0.2500, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2000, 0.2128, 0.2859 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, 112, 130)` looks like.

```
.text, #text, p{  
  color:rgb(0, 112, 130)  
}
```

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, 112, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 130) }
```

Border

The CSS property to change the border of an element to Yxy 13.2000, 0.2128, 0.2859 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, 112, 130) }
```

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

```
.border{ border-color:rgb(0, 112, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2000, 0.2128, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 130) }
```

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

```
.background{ background-color: rgb(0, 112,  
130) }
```

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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