

Converting Colors

$Y_{xy}(10.7636, 0.2060, 0.2989)$

Have a look what the booklet for
Yxy(10.7636, 0.2060, 0.2989)
contains.

Yxy(11.1384, 0.2167, 0.3000)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.1384, 0.2167, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	006873
RGB	0, 104, 115
RGB Percent	0%, 41%, 45%
CMY	0.9995, 0.5922, 0.5490
CMYK	1.00, 0.10, 0.00, 0.55
HSL	186°, 100%, 23%
HSV	186°, 100%, 45%
XYZ	8.0456, 11.1384, 17.9440
YIQ	74.1580, -65.5150, -18.6270

Conversions

Conversions Part 2

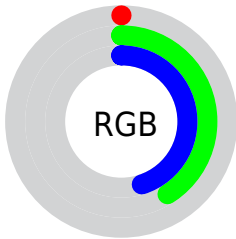
Format	Color
RYB	0, 55, 115
Decimal	26739
CIELab	39.81, -21.03, -13.42
CIELCh	40, 24.951, 212.546
Yxy	11.1384, 0.2167, 0.3000
Android (android.graphics.Color)	4278216819 (0xFF006873)
YUV	74.1580, 20.1351, -65.0366
Hunter-Lab	33.3742, -15.3733, -8.5158

Details

The Yxy color **11.1384, 0.2167, 0.3000** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8870, 0.6279, 0.3394**, and the grayscale version is **6.8566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7692, 0.2403, 0.3078**, and **3.2336, 0.2117, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **11.1355, 0.2167, 0.3000**, and if you desaturate by 10%, it is **11.4366, 0.2201, 0.3031**.

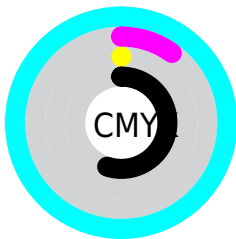
Distribution



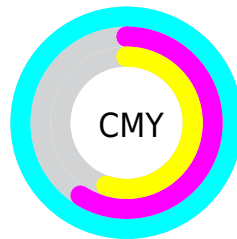
- Red (0%)
- Green (41%)
- Blue (45%)



- Red (0%)
- Yellow (22%)
- Blue (45%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)





- Cyan (100%)
- Magenta (59%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1384, 0.2167, 0.3000 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 11.1384, 0.2167, 0.3000 by changing the saturation by 10% instead.


 11.1384, 0.2167,
0.3000


 11.1384, 0.2167,
0.3000


198.6146, 0.2741,
0.3194

 6.1600, 0.1981,
0.2923

 27.9158, 0.2404,
0.3088


 2.9426, 0.1712,
0.2796


 40.4836, 0.2484,
0.3115

 1.1018, 0.1217,
0.2583

 56.3500, 0.2548,
0.3136

 0.0000, 0.0000,
0.0000

 75.8994, 0.2601,
0.3152

 99.5161, 0.2644,
0.3166

 127.5847, 0.2682,

0.3177

160.4894, 0.2713,
0.3186

11.1384, 0.2167,
0.3000

11.1384, 0.2167,
0.3000

11.1355, 0.2167,
0.3000

11.4366, 0.2201,
0.3031

11.7707, 0.2244,
0.3063

12.1668, 0.2305,
0.3094

12.6316, 0.2383,
0.3126

13.1710, 0.2478,
0.3157

■ 13.7901, 0.2588,
0.3186

■ 14.4938, 0.2710,
0.3215

■ 15.2864, 0.2843,
0.3242

■ 16.1719, 0.2983,
0.3267

Harmonies

Analogous

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



11.1384, 0.2435, 0.3557



11.1384, 0.2167, 0.3000



11.1384, 0.2133, 0.2599

Triad

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



11.1384, 0.2167, 0.3000



11.1384, 0.3287, 0.2656



11.1384, 0.3938, 0.4201

Complementary

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



11.1384, 0.2167, 0.3000



3.8870, 0.6279, 0.3394

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.



11.1384, 0.4221, 0.3860



11.1384, 0.2167, 0.3000



11.1384, 0.3837, 0.3004

Square

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



11.1384, 0.2167, 0.3000



11.1384, 0.2736, 0.2446



11.1384, 0.4191, 0.3429



11.1384, 0.3449, 0.4311

Rectangle

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



11.1384, 0.2167, 0.3000



11.1384, 0.2239, 0.2454



11.1384, 0.4191, 0.3429



11.1384, 0.4062, 0.4105

Sweetspot

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



11.1388, 0.2167, 0.3000



25.8364, 0.2698, 0.3212



12.2825, 0.2975, 0.5908



6.0601, 0.2657, 0.3203



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.



11.1388, 0.2167, 0.3000



19.8378, 0.2164, 0.2992



3.3516, 0.1719, 0.1388



4.0983, 0.2995, 0.3269



12.7146, 0.2166, 0.2998



61.2749, 0.2161, 0.2981

Inverse Universe

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



4.6468, 0.3454, 0.1677



8.3057, 0.3461, 0.1680



7.6751, 0.5114, 0.4320



3.7522, 0.3150, 0.3100



5.3075, 0.3456, 0.1678



25.7951, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 11.1384, 0.2167, 0.3000 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 11.1384, 0.2167, 0.3000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

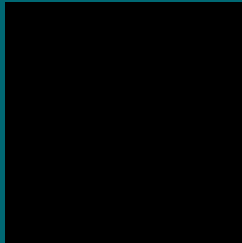
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1384, 0.2167, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 11.1384, 0.2167, 0.3000.



This preview shows how white text looks on a background with the Yxy color 11.1384, 0.2167, 0.3000.

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

11.1384, 0.2167, 0.3000

Protanopia

11.1356, 0.2891, 0.2943

Deuteranopia

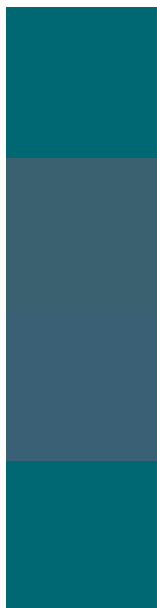
11.1360, 0.2750, 0.2707



Tritanopia

11.0929, 0.2181, 0.3050

Trichromacy



Original Color

11.1384, 0.2167, 0.3000

Protanomaly

10.5966, 0.2462, 0.2935

Deuteranomaly

10.5200, 0.2391, 0.2770

Tritanomaly

11.1155, 0.2174, 0.3025

Monochromacy



Original Color

11.1384, 0.2167, 0.3000

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.8226, 0.2522, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1384, 0.2167, 0.3000 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 115) }
```

Border

The CSS property to change the border of an element to Yxy 11.1384, 0.2167, 0.3000 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, 115) }
```

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

```
.border{ border-color:rgb(0, 104, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1384, 0.2167, 0.3000 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, 115) }
```

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

```
.background{ background-color: rgb(0, 104,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor