

Converting Colors

$Y_{xy}(9.0730, 0.1520, 0.2913)$

Have a look what the booklet for
Yxy(9.0730, 0.1520, 0.2913)
contains.

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Color

Yxy(10.7176, 0.2158, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	006672
RGB	0, 102, 114
RGB Percent	0%, 40%, 45%
CMY	1.0000, 0.6000, 0.5529
CMYK	1.00, 0.11, 0.00, 0.55
HSL	186°, 100%, 22%
HSV	186°, 100%, 45%
XYZ	7.7874, 10.7176, 17.5812
YIQ	72.8700, -64.6440, -17.8920

Conversions

Conversions Part 2

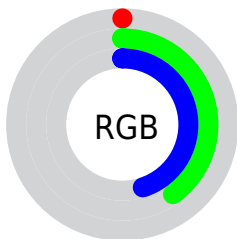
Format	Color
RYB	0, 54, 114
Decimal	26226
CIELab	39.10, -20.34, -13.91
CIElCh	39, 24.639, 214.362
Yxy	10.7176, 0.2158, 0.2970
Android (android.graphics.Color)	4278216306 (0xFF006672)
YUV	72.8700, 20.2771, -63.9070
Hunter-Lab	32.7377, -14.8309, -8.9242

Details

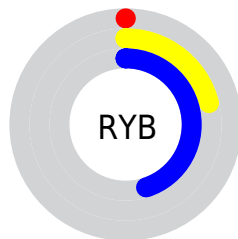
The Yxy color **10.7176, 0.2158, 0.2970** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8413, 0.6269, 0.3405**, and the grayscale version is **6.6121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0315, 0.2396, 0.3058**, and **3.1257, 0.2115, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **10.7191, 0.2158, 0.2970**, and if you desaturate by 10%, it is **11.0307, 0.2193, 0.3005**.

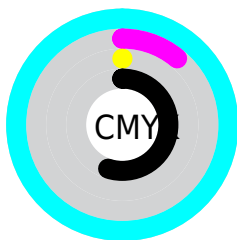
Distribution



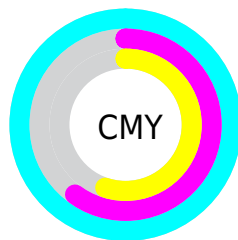
- Red (0%)
- Green (40%)
- Blue (45%)



- Red (0%)
- Yellow (21%)
- Blue (45%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)





- Cyan (100%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7176, 0.2158, 0.2970 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 10.7176, 0.2158, 0.2970 by changing the saturation by 10% instead.


 10.7176, 0.2158,
0.2970


 10.7176, 0.2158,
0.2970


195.7197, 0.2740,
0.3183


 5.8773, 0.1968,
0.2885

 27.1368, 0.2399,
0.3067

 2.7706, 0.1693,
0.2746


 39.4844, 0.2480,
0.3096

 1.0132, 0.1147,
0.2521

 55.1033, 0.2545,
0.3119

 0.0000, 0.0000,
0.0000


 74.3777, 0.2598,
0.3137


 97.6922, 0.2642,
0.3152


 125.4311, 0.2680,

0.3164

 157.9788, 0.2712,
0.3175


 10.7176, 0.2158,
0.2970


 10.7176, 0.2158,
0.2970

 10.7191, 0.2158,
0.2970

 11.0307, 0.2193,
0.3005

 11.3778, 0.2238,
0.3039

 11.7861, 0.2300,
0.3074

 12.2624, 0.2379,
0.3109

 12.8122, 0.2475,
0.3143

■ 13.4408, 0.2585,
0.3176

■ 14.1529, 0.2708,
0.3207

■ 14.9526, 0.2841,
0.3237

■ 15.8440, 0.2982,
0.3265

Harmonies

Analogous

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



10.7176, 0.2412, 0.3522



10.7176, 0.2158, 0.2970



10.7176, 0.2138, 0.2582

Triad

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



10.7176, 0.2158, 0.2970



10.7176, 0.3322, 0.2673



10.7176, 0.3913, 0.4216

Complementary

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



10.7176, 0.2158, 0.2970



3.8413, 0.6269, 0.3405

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.



10.7176, 0.4212, 0.3885



10.7176, 0.2158, 0.2970



10.7176, 0.3867, 0.3028

Square

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



10.7176, 0.2158, 0.2970



10.7176, 0.2766, 0.2453



10.7176, 0.4203, 0.3456



10.7176, 0.3416, 0.4307

Rectangle

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



10.7176, 0.2158, 0.2970



10.7176, 0.2254, 0.2445



10.7176, 0.4203, 0.3456



10.7176, 0.4041, 0.4125

Sweetspot

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



10.7191, 0.2158, 0.2970



24.7633, 0.2698, 0.3205



12.0624, 0.2969, 0.5890



5.6310, 0.2658, 0.3195



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.7191, 0.2158, 0.2970



18.7259, 0.2156, 0.2962



3.1384, 0.1705, 0.1338



3.7581, 0.2996, 0.3267



11.9157, 0.2158, 0.2968



58.6101, 0.2153, 0.2949

Inverse Universe

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



4.5376, 0.3481, 0.1691



7.9614, 0.3488, 0.1695



7.7619, 0.5070, 0.4356



3.4477, 0.3151, 0.3104



5.0487, 0.3482, 0.1692



25.0745, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 10.7176, 0.2158, 0.2970 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 10.7176, 0.2158, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

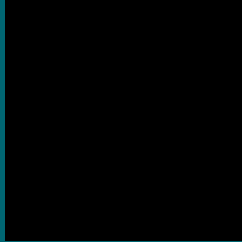
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7176, 0.2158, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 10.7176, 0.2158, 0.2970.

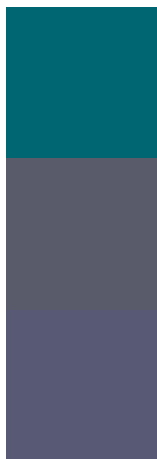


This preview shows how white text looks on a background with the Yxy color 10.7176, 0.2158, 0.2970.

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

10.7176, 0.2158, 0.2970

Protanopia

10.6676, 0.2873, 0.2915

Deuteranopia

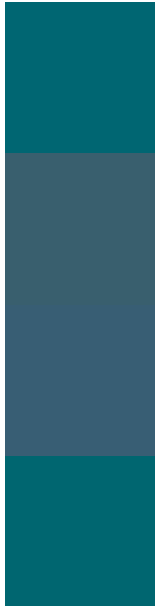
10.6714, 0.2731, 0.2676



Tritanopia

10.6504, 0.2180, 0.3046

Trichromacy



Original Color

10.7176, 0.2158, 0.2970

Protanomaly

10.1801, 0.2453, 0.2905

Deuteranomaly

10.1071, 0.2381, 0.2739

Tritanomaly

10.6726, 0.2172, 0.3021

Monochromacy



Original Color

10.7176, 0.2158, 0.2970

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.6261, 0.2517, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7176, 0.2158, 0.2970 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, 102, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 114)  
}
```

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, 102, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 114) }
```

Border

The CSS property to change the border of an element to Yxy 10.7176, 0.2158, 0.2970 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, 102, 114) }
```

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

```
.border{ border-color:rgb(0, 102, 114) }
```

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

Here you see how a box with a 4 pixel rgb(0, 102, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7176, 0.2158, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 114) }
```

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

```
.background{ background-color: rgb(0, 102,  
114) }
```

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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