

Converting Colors

$Y_{xy}(10.4402, 0.1531, 0.2971)$

Have a look what the booklet for
Yxy(10.4402, 0.1531, 0.2971)
contains.

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Color

Yxy(12.2692, 0.2176, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	006D77
RGB	0, 109, 119
RGB Percent	0%, 43%, 47%
CMY	1.0000, 0.5725, 0.5333
CMYK	1.00, 0.08, 0.00, 0.53
HSL	185°, 100%, 23%
HSV	185°, 100%, 47%
XYZ	8.7966, 12.2692, 19.3599
YIQ	77.5490, -68.1740, -19.9980

Conversions

Conversions Part 2

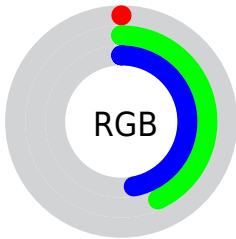
Format	Color
RYB	0, 57, 119
Decimal	28023
CIELab	41.64, -22.28, -13.08
CIELCh	42, 25.841, 210.416
Yxy	12.2692, 0.2176, 0.3035
Android (android.graphics.Color)	4278218103 (0xFF006D77)
YUV	77.5490, 20.4353, -68.0105
Hunter-Lab	35.0274, -16.4703, -8.2508

Details

The Yxy color **12.2692, 0.2176, 0.3035** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.1397, 0.6300, 0.3379**, and the grayscale version is **7.5010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0078, 0.2405, 0.3117**, and **3.7924, 0.2135, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **12.2711, 0.2176, 0.3035**, and if you desaturate by 10%, it is **12.5631, 0.2208, 0.3062**.

Distribution



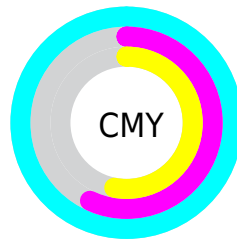
- Red (0%)
- Green (43%)
- Blue (47%)



- Red (0%)
- Yellow (22%)
- Blue (47%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2692, 0.2176, 0.3035 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 12.2692, 0.2176, 0.3035 by changing the saturation by 10% instead.

12.2692, 0.2176,
0.3035

12.2692, 0.2176,
0.3035

206.1794, 0.2738,
0.3206

6.9273, 0.1998,
0.2968

29.9845, 0.2406,
0.3112

3.4167, 0.1744,
0.2858

43.1266, 0.2484,
0.3136

1.3529, 0.1339,
0.2661

59.6376, 0.2547,
0.3154

0.1816, 0.0000,
0.1395

79.9019, 0.2598,
0.3169

0.0000, 0.0000,
0.0000

104.3038, 0.2642,
0.3181

133.2277, 0.2679,

0.3190

167.0582, 0.2710,
0.3199

12.2692, 0.2176,
0.3035

12.2692, 0.2176,
0.3035

12.2711, 0.2176,
0.3035

12.5631, 0.2208,
0.3062

12.8945, 0.2250,
0.3090

13.2920, 0.2308,
0.3117

13.7630, 0.2385,
0.3145

14.3139, 0.2478,
0.3172

■ 14.9505, 0.2586,
0.3198

■ 15.6778, 0.2708,
0.3223

■ 16.5007, 0.2840,
0.3247

■ 17.4235, 0.2981,
0.3270

Harmonies

Analogous

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



12.2692, 0.2460, 0.3599



12.2692, 0.2176, 0.3035



12.2692, 0.2125, 0.2619

Triad

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



12.2692, 0.2176, 0.3035



12.2692, 0.3246, 0.2634



12.2692, 0.3969, 0.4185

Complementary

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



12.2692, 0.2176, 0.3035



4.1397, 0.6300, 0.3379

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.



12.2692, 0.4233, 0.3833



12.2692, 0.2176, 0.3035



12.2692, 0.3805, 0.2975

Square

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



12.2692, 0.2176, 0.3035



12.2692, 0.2700, 0.2435



12.2692, 0.4179, 0.3398



12.2692, 0.3489, 0.4317

Rectangle

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



12.2692, 0.2176, 0.3035



12.2692, 0.2221, 0.2462



12.2692, 0.4179, 0.3398



12.2692, 0.4087, 0.4084

Sweetspot

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



12.2711, 0.2176, 0.3035



27.9651, 0.2698, 0.3222



13.2175, 0.2976, 0.5913



6.5186, 0.2656, 0.3213



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.



12.2711, 0.2176, 0.3035



21.8737, 0.2175, 0.3028



3.5782, 0.1717, 0.1379



4.1052, 0.2995, 0.3272



13.0286, 0.2176, 0.3034



62.8788, 0.2172, 0.3020

Inverse Universe

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



5.0269, 0.3423, 0.1660



8.9905, 0.3429, 0.1663



8.2309, 0.5120, 0.4317



3.7529, 0.3148, 0.3098



5.3392, 0.3424, 0.1660



25.9570, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 12.2692, 0.2176, 0.3035 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 12.2692, 0.2176, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

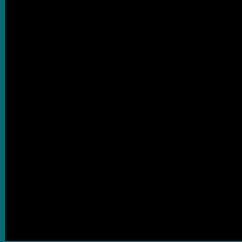
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2692, 0.2176, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 12.2692, 0.2176, 0.3035.

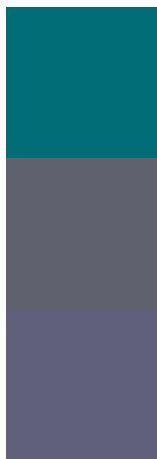


This preview shows how white text looks on a background with the Yxy color 12.2692, 0.2176, 0.3035.

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

12.2692, 0.2176, 0.3035

Protanopia

12.1839, 0.2925, 0.2978

Deuteranopia

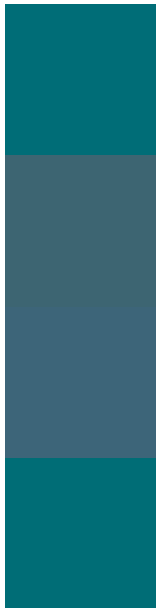
12.2577, 0.2789, 0.2730



Tritanopia

12.2453, 0.2183, 0.3059

Trichromacy



Original Color

12.2692, 0.2176, 0.3035

Protanomaly

11.5144, 0.2480, 0.2970

Deuteranomaly

11.6799, 0.2415, 0.2813

Tritanomaly

12.2453, 0.2183, 0.3059

Monochromacy



Original Color

12.2692, 0.2176, 0.3035

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.6132, 0.2530, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2692, 0.2176, 0.3035 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, 109, 119)` looks like.

```
.text, #text, p{  
  color:rgb(0, 109, 119)  
}
```

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, 109, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 119) }
```

Border

The CSS property to change the border of an element to Yxy 12.2692, 0.2176, 0.3035 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, 109, 119) }
```

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

```
.border{ border-color:rgb(0, 109, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2692, 0.2176, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 119) }
```

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

```
.background{ background-color: rgb(0, 109,  
119) }
```

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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