

Converting Colors

$Yxy(10.8045, 0.1913, 0.3072)$

Have a look what the booklet for
Yxy(10.8045, 0.1913, 0.3072)
contains.

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Color

Yxy(11.5230, 0.2189, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	006A72
RGB	0, 106, 114
RGB Percent	0%, 42%, 45%
CMY	0.9994, 0.5843, 0.5530
CMYK	1.00, 0.07, 0.00, 0.55
HSL	184°, 100%, 22%
HSV	184°, 100%, 45%
XYZ	8.1922, 11.5230, 17.7093
YIQ	75.2180, -65.7440, -19.9840

Conversions

Conversions Part 2

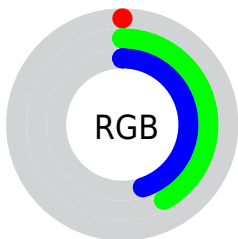
Format	Color
RYB	0, 55, 114
Decimal	27250
CIELab	40.45, -22.45, -11.85
CIELCh	40, 25.381, 207.828
Yxy	11.5230, 0.2189, 0.3079
Android (android.graphics.Color)	4278217330 (0xFF006A72)
YUV	75.2180, 19.1195, -65.9662
Hunter-Lab	33.9455, -16.3266, -7.1695

Details

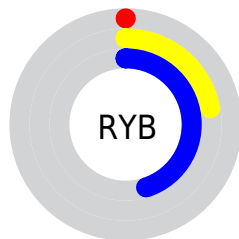
The Yxy color **11.5230, 0.2189, 0.3079** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.7541, 0.6308, 0.3370**, and the grayscale version is **7.0597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7434, 0.2420, 0.3148**, and **3.4195, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **11.5202, 0.2189, 0.3079**, and if you desaturate by 10%, it is **11.7632, 0.2220, 0.3102**.

Distribution



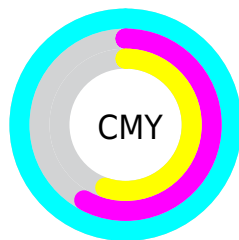
- Red (0%)
- Green (42%)
- Blue (45%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (55%)





- Cyan (100%)
- Magenta (58%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5230, 0.2189, 0.3079 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 11.5230, 0.2189, 0.3079 by changing the saturation by 10% instead.


 11.5230, 0.2189,
0.3079


 11.5230, 0.2189,
0.3079


201.2213, 0.2749,
0.3224


 6.4198, 0.2008,
0.3019


 28.6233, 0.2420,
0.3146


 3.1020, 0.1747,
0.2918

 41.3892, 0.2498,
0.3166

 1.1852, 0.1277,
0.2745

 57.4781, 0.2560,
0.3181

 0.0496, 0.0000,
0.0532


 77.2743, 0.2611,
0.3194


 0.0000, 0.0000,
0.0000


 101.1624, 0.2654,
0.3203


 129.5267, 0.2690,


0.3211


 162.7515, 0.2722,
0.3218

 11.5230, 0.2189,
0.3079


 11.5230, 0.2189,
0.3079


 11.5202, 0.2189,
0.3079

 11.7632, 0.2220,
0.3102

 12.0371, 0.2261,
0.3124

 12.3704, 0.2318,
0.3147

 12.7698, 0.2393,
0.3170

 13.2410, 0.2485,
0.3192

■ 13.7890, 0.2592,
0.3214

■ 14.4185, 0.2713,
0.3235

■ 15.1338, 0.2844,
0.3255

■ 15.9388, 0.2984,
0.3273

Harmonies

Analogous

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



11.5230, 0.2493, 0.3650



11.5230, 0.2189, 0.3079



11.5230, 0.2117, 0.2644

Triad

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



11.5230, 0.2189, 0.3079



11.5230, 0.3196, 0.2609



11.5230, 0.4004, 0.4163

Complementary

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



11.5230, 0.2189, 0.3079



3.7541, 0.6308, 0.3370

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.



11.5230, 0.4245, 0.3798



11.5230, 0.2189, 0.3079



11.5230, 0.3763, 0.2940

Square

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



11.5230, 0.2189, 0.3079



11.5230, 0.2657, 0.2424



11.5230, 0.4162, 0.3360



11.5230, 0.3536, 0.4321

Rectangle

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



11.5230, 0.2189, 0.3079



11.5230, 0.2200, 0.2475



11.5230, 0.4162, 0.3360



11.5230, 0.4116, 0.4057

Sweetspot

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



11.5234, 0.2189, 0.3079



25.2349, 0.2701, 0.3233



12.0507, 0.2980, 0.5925



5.7511, 0.2662, 0.3226



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.



11.5234, 0.2189, 0.3079



20.1729, 0.2187, 0.3073



3.4531, 0.1734, 0.1440



3.7771, 0.2996, 0.3275



12.8163, 0.2188, 0.3078



63.3203, 0.2185, 0.3065

Inverse Universe

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



4.6208, 0.3385, 0.1639



8.1075, 0.3390, 0.1641



7.3192, 0.5158, 0.4285



3.4496, 0.3146, 0.3097



5.1396, 0.3386, 0.1639



25.5500, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 11.5230, 0.2189, 0.3079 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 11.5230, 0.2189, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

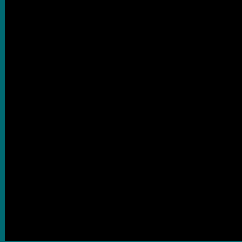
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5230, 0.2189, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 11.5230, 0.2189, 0.3079.



This preview shows how white text looks on a background with the Yxy color 11.5230, 0.2189, 0.3079.

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

11.5230, 0.2189, 0.3079

Protanopia

11.6047, 0.2961, 0.3038

Deuteranopia

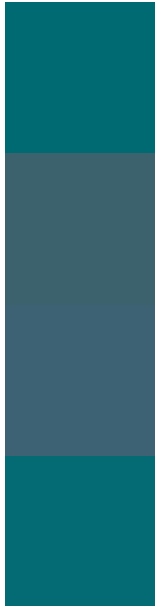
11.4927, 0.2818, 0.2758



Tritanopia

11.5846, 0.2195, 0.3055

Trichromacy



Original Color

11.5230, 0.2189, 0.3079

Protanomaly

10.9885, 0.2511, 0.3037

Deuteranomaly

10.9570, 0.2438, 0.2847

Tritanomaly

11.5717, 0.2190, 0.3054

Monochromacy



Original Color

11.5230, 0.2189, 0.3079

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.0052, 0.2538, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5230, 0.2189, 0.3079 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, 106, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 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, 106, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 114) }
```

Border

The CSS property to change the border of an element to Yxy 11.5230, 0.2189, 0.3079 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, 106, 114) }
```

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

```
.border{ border-color:rgb(0, 106, 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, 106, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5230, 0.2189, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 114) }
```

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

```
.background{ background-color: rgb(0, 106,  
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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