

Converting Colors

$Y_{xy}(10.0881, 0.1495, 0.3186)$

Have a look what the booklet for
Yxy(10.0881, 0.1495, 0.3186)
contains.

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Color

Yxy(11.8728, 0.2225, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	006C6F
RGB	0, 108, 111
RGB Percent	0%, 42%, 44%
CMY	0.9996, 0.5765, 0.5647
CMYK	1.00, 0.03, 0.00, 0.56
HSL	182°, 100%, 22%
HSV	182°, 100%, 44%
XYZ	8.2322, 11.8728, 16.8935
YIQ	76.0500, -65.3310, -21.9630

Conversions

Conversions Part 2

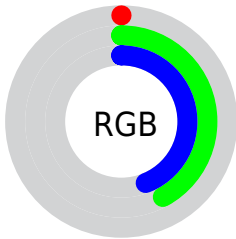
Format	Color
RYB	0, 55, 111
Decimal	27759
CIELab	41.01, -24.52, -9.17
CIELCh	41, 26.183, 200.502
Yxy	11.8728, 0.2225, 0.3209
Android (android.graphics.Color)	4278217839 (0xFF006C6F)
YUV	76.0500, 17.2304, -66.6958
Hunter-Lab	34.4569, -17.6539, -4.9488

Details

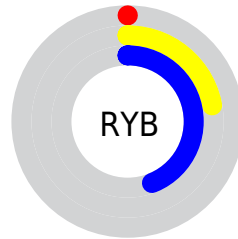
The Yxy color **11.8728, 0.2225, 0.3209** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4462, 0.6362, 0.3328**, and the grayscale version is **7.2195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3225, 0.2445, 0.3236**, and **3.5906, 0.2211, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **11.8720, 0.2225, 0.3209**, and if you desaturate by 10%, it is **12.0083, 0.2252, 0.3217**.

Distribution



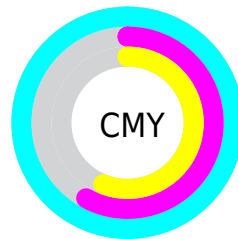
- Red (0%)
- Green (42%)
- Blue (44%)



- Red (0%)
- Yellow (22%)
- Blue (44%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (56%)





- Cyan (100%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8728, 0.2225, 0.3209 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 11.8728, 0.2225, 0.3209 by changing the saturation by 10% instead.


 11.8728, 0.2225,
0.3209


 11.8728, 0.2225,
0.3209


 203.5614, 0.2763,
0.3273


 6.6571, 0.2051,
0.3177


 29.2632, 0.2447,
0.3241


 3.2486, 0.1797,
0.3120

 42.2068, 0.2522,
0.3250


 1.2629, 0.1340,
0.3021

 58.4950, 0.2582,
0.3257

 0.1122, 0.0000,
0.1281


 78.5125, 0.2631,
0.3261


 0.0000, 0.0000,
0.0000


 102.6434, 0.2672,
0.3265

 131.2723, 0.2707,

0.3268


 164.7835, 0.2737,
0.3271

 11.8728, 0.2225,
0.3209

 11.8728, 0.2225,
0.3209


 11.8720, 0.2225,
0.3209

 12.0083, 0.2252,
0.3217

 12.1733, 0.2288,
0.3226

 12.3929, 0.2340,
0.3234

 12.6734, 0.2410,
0.3243

 13.0201, 0.2497,
0.3252

■ 13.4379, 0.2600,
0.3260

■ 13.9309, 0.2717,
0.3268

■ 14.5032, 0.2845,
0.3276

■ 15.1585, 0.2984,
0.3283

Harmonies

Analogous

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



11.8728, 0.2588, 0.3798



11.8728, 0.2225, 0.3209



11.8728, 0.2094, 0.2719

Triad

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



11.8728, 0.2225, 0.3209



11.8728, 0.3053, 0.2534



11.8728, 0.4108, 0.4102

Complementary

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



11.8728, 0.2225, 0.3209



3.4462, 0.6362, 0.3328

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.



11.8728, 0.4281, 0.3699



11.8728, 0.2225, 0.3209



11.8728, 0.3642, 0.2840

Square

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



11.8728, 0.2225, 0.3209



11.8728, 0.2535, 0.2390



11.8728, 0.4110, 0.3251



11.8728, 0.3674, 0.4332

Rectangle

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



11.8728, 0.2225, 0.3209



11.8728, 0.2140, 0.2510



11.8728, 0.4110, 0.3251



11.8728, 0.4200, 0.3980

Sweetspot

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



11.8732, 0.2225, 0.3209



24.8644, 0.2706, 0.3267



11.3715, 0.2995, 0.5979



5.9016, 0.2666, 0.3265



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.



11.8732, 0.2225, 0.3209



21.2323, 0.2224, 0.3207



3.7585, 0.1779, 0.1601



3.8005, 0.2996, 0.3284



13.9863, 0.2225, 0.3208



69.4589, 0.2223, 0.3204

Inverse Universe

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



4.4638, 0.3274, 0.1578



7.9875, 0.3276, 0.1579



6.3445, 0.5293, 0.4178



3.4520, 0.3141, 0.3088



5.2578, 0.3275, 0.1578



26.1697, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 11.8728, 0.2225, 0.3209 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 11.8728, 0.2225, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

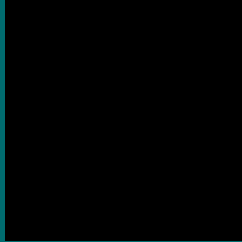
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8728, 0.2225, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 11.8728, 0.2225, 0.3209.



This preview shows how white text looks on a background with the Yxy color 11.8728, 0.2225, 0.3209.

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

11.8728, 0.2225, 0.3209

Protanopia

11.8318, 0.3031, 0.3130

Deuteranopia

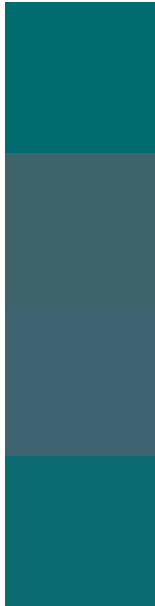
11.8170, 0.2913, 0.2850



Tritanopia

11.8865, 0.2218, 0.3058

Trichromacy



Original Color

11.8728, 0.2225, 0.3209

Protanomaly

11.1471, 0.2556, 0.3137

Deuteranomaly

11.1401, 0.2491, 0.2944

Tritanomaly

11.7948, 0.2218, 0.3107

Monochromacy



Original Color

11.8728, 0.2225, 0.3209

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.3291, 0.2548, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8728, 0.2225, 0.3209 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, 108, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 111)  
}
```

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, 108, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 111) }
```

Border

The CSS property to change the border of an element to Yxy 11.8728, 0.2225, 0.3209 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, 108, 111) }
```

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

```
.border{ border-color:rgb(0, 108, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8728, 0.2225, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 111) }
```

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

```
.background{ background-color: rgb(0, 108,  
111) }
```

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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