

Converting Colors

$Y_{xy}(11.1978, 0.1839, 0.2378)$

Have a look what the booklet for
Yxy(11.1978, 0.1839, 0.2378)
contains.

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Color

Yxy(11.8536, 0.2005, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	00688E
RGB	0, 104, 142
RGB Percent	0%, 41%, 56%
CMY	0.9995, 0.5922, 0.4432
CMYK	1.00, 0.27, 0.00, 0.44
HSL	196°, 100%, 28%
HSV	196°, 100%, 56%
XYZ	9.8330, 11.8536, 27.3560
YIQ	77.2360, -74.1820, -10.2300

Conversions

Conversions Part 2

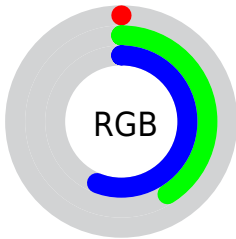
Format	Color
RYB	0, 60, 142
Decimal	26766
CIELab	40.98, -10.89, -27.95
CIELCh	41, 30.002, 248.712
Yxy	11.8536, 0.2005, 0.2417
Android (android.graphics.Color)	4278216846 (0xFF00688E)
YUV	77.2360, 31.9287, -67.7360
Hunter-Lab	34.4291, -9.2707, -23.0092

Details

The Yxy color **11.8536, 0.2005, 0.2417** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.1438, 0.6000, 0.3617**, and the grayscale version is **7.4247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2221, 0.2269, 0.2634**, and **3.6816, 0.1919, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **11.8462, 0.2005, 0.2416**, and if you desaturate by 10%, it is **12.7320, 0.2056, 0.2514**.

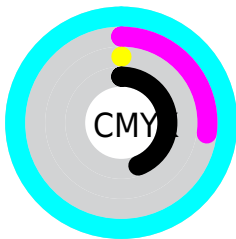
Distribution



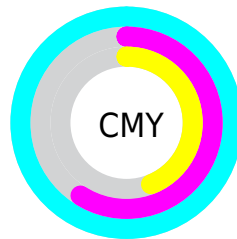
- Red (0%)
- Green (41%)
- Blue (56%)



- Red (0%)
- Yellow (24%)
- Blue (56%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (59%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8536, 0.2005, 0.2417 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 11.8536, 0.2005, 0.2417 by changing the saturation by 10% instead.

■ 11.8536, 0.2005,
0.2417

■ 11.8536, 0.2005,
0.2417

■ 203.4337, 0.2660,
0.2948

■ 6.6441, 0.1807,
0.2245

■ 29.2282, 0.2268,
0.2637

■ 3.2405, 0.1534,
0.1996

■ 42.1620, 0.2359,
0.2711

■ 1.2586, 0.1146,
0.1619

■ 58.4394, 0.2433,
0.2771

■ 0.1088, 0.0000,
0.0409

■ 78.4448, 0.2494,
0.2819

■ 0.0000, 0.0000,
0.0000

■ 102.5625, 0.2545,
0.2859

■ 131.1770, 0.2589,

0.2893

164.6725, 0.2627,
0.2922

■ 11.8536, 0.2005,
0.2417

■ 11.8536, 0.2005,
0.2417

■ 11.8462, 0.2005,
0.2416

■ 12.7320, 0.2056,
0.2514

■ 13.7082, 0.2120,
0.2612

■ 14.8147, 0.2203,
0.2710

■ 16.0637, 0.2304,
0.2806

■ 17.4656, 0.2420,
0.2900

■ 19.0296, 0.2548,
0.2989

■ 20.7643, 0.2687,
0.3074

■ 22.6773, 0.2831,
0.3152

■ 24.7758, 0.2980,
0.3225

Harmonies

Analogous

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



11.8536, 0.1986, 0.2822



11.8536, 0.2005, 0.2417



11.8536, 0.2279, 0.2269

Triad

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



11.8536, 0.2005, 0.2417



11.8536, 0.4076, 0.3046



11.8536, 0.3358, 0.4484

Complementary

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



11.8536, 0.2005, 0.2417



7.1438, 0.6000, 0.3617

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.



11.8536, 0.3960, 0.4407



11.8536, 0.2005, 0.2417



11.8536, 0.4420, 0.3539

Square

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



11.8536, 0.2005, 0.2417



11.8536, 0.3451, 0.2627



11.8536, 0.4363, 0.4030



11.8536, 0.2726, 0.4121

Rectangle

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



11.8536, 0.2005, 0.2417



11.8536, 0.2595, 0.2301



11.8536, 0.4363, 0.4030



11.8536, 0.3571, 0.4504

Sweetspot

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



11.8540, 0.2005, 0.2417



36.3937, 0.2677, 0.3068



19.4830, 0.2899, 0.5636



7.8703, 0.2625, 0.3037



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



11.8540, 0.2005, 0.2417



20.6142, 0.1999, 0.2397



3.0540, 0.1581, 0.0888



5.8753, 0.2990, 0.3230



10.6692, 0.2006, 0.2420



0.1384, 0.2131, 0.2870

Inverse Universe

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



6.7520, 0.4006, 0.1981



11.8744, 0.4026, 0.1992



16.6633, 0.4663, 0.4678



5.4867, 0.3175, 0.3130



6.0634, 0.4002, 0.1978



0.0616, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 11.8536, 0.2005, 0.2417 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 11.8536, 0.2005, 0.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

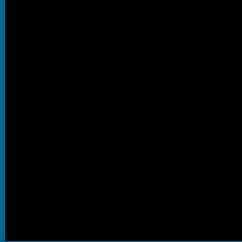
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8536, 0.2005, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 11.8536, 0.2005, 0.2417.

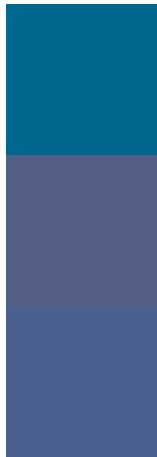


This preview shows how white text looks on a background with the Yxy color 11.8536, 0.2005, 0.2417.

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

11.8536, 0.2005, 0.2417

Protanopia

11.8185, 0.2499, 0.2437

Deuteranopia

11.8752, 0.2329, 0.2282



Tritanopia

11.7532, 0.2189, 0.3081

Trichromacy



Original Color

11.8536, 0.2005, 0.2417

Protanomaly

11.3546, 0.2205, 0.2390

Deuteranomaly

11.5352, 0.2135, 0.2315

Tritanomaly

11.7887, 0.2116, 0.2817

Monochromacy



Original Color

11.8536, 0.2005, 0.2417

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.4089, 0.2422, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8536, 0.2005, 0.2417 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 142) }
```

Border

The CSS property to change the border of an element to Yxy 11.8536, 0.2005, 0.2417 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, 142) }
```

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

```
.border{ border-color:rgb(0, 104, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8536, 0.2005, 0.2417 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, 142) }
```

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

```
.background{ background-color: rgb(0, 104,  
142) }
```

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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