

Converting Colors

$Y_{xy}(9.8995, 0.1434, 0.2698)$

Have a look what the booklet for
Yxy(9.8995, 0.1434, 0.2698)
contains.

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Color

Yxy(11.8144, 0.2110, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	006A7E
RGB	0, 106, 126
RGB Percent	0%, 42%, 49%
CMY	0.9990, 0.5843, 0.5059
CMYK	1.00, 0.16, 0.00, 0.51
HSL	190°, 100%, 25%
HSV	190°, 100%, 49%
XYZ	8.9221, 11.8144, 21.5484
YIQ	76.5860, -69.5960, -16.2520

Conversions

Conversions Part 2

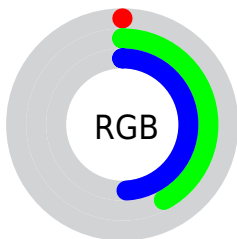
Format	Color
RYB	0, 58, 126
Decimal	27262
CIELab	40.92, -18.11, -18.41
CIELCh	41, 25.824, 225.483
Yxy	11.8144, 0.2110, 0.2794
Android (android.graphics.Color)	4278217342 (0xFF006A7E)
YUV	76.5860, 24.3611, -67.1659
Hunter-Lab	34.3721, -13.8171, -13.1093

Details

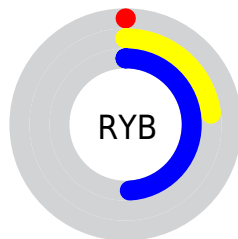
The Yxy color **11.8144, 0.2110, 0.2794** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.9459, 0.6195, 0.3458**, and the grayscale version is **7.3189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3281, 0.2353, 0.2936**, and **3.5619, 0.2042, 0.2549** is the 20% darker color. If you saturate the color by 10%, you get **11.8046, 0.2109, 0.2793**, and if you desaturate by 10%, it is **12.3157, 0.2149, 0.2849**.

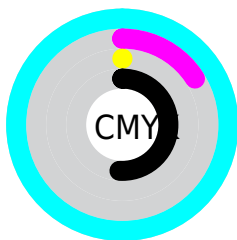
Distribution



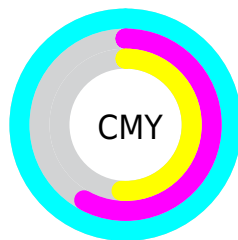
- Red (0%)
- Green (42%)
- Blue (49%)



- Red (0%)
- Yellow (23%)
- Blue (49%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (51%)



- Cyan (100%)
- Magenta (58%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8144, 0.2110, 0.2794 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 11.8144, 0.2110, 0.2794 by changing the saturation by 10% instead.


 11.8144, 0.2110,
0.2794


 11.8144, 0.2110,
0.2794


 203.1727, 0.2710,
0.3110

 6.6174, 0.1922,
0.2680


 29.1566, 0.2354,
0.2931


 3.2240, 0.1656,
0.2503

 42.0707, 0.2438,
0.2976


 1.2498, 0.1248,
0.2206

 58.3258, 0.2505,
0.3010

 0.1018, 0.0000,
0.0649

 78.3065, 0.2560,
0.3038

 0.0000, 0.0000,
0.0000

 102.3972, 0.2607,
0.3061

 130.9822, 0.2646,

0.3080

164.4459, 0.2680,
0.3096

■ 11.8144, 0.2110,
0.2794

■ 11.8144, 0.2110,
0.2794

■ 11.8046, 0.2109,
0.2793

■ 12.3157, 0.2149,
0.2849

■ 12.8715, 0.2200,
0.2903

■ 13.5096, 0.2269,
0.2958

■ 14.2388, 0.2355,
0.3012

■ 15.0664, 0.2457,
0.3065

■ 15.9991, 0.2574,
0.3116

■ 17.0429, 0.2702,
0.3164

■ 18.2032, 0.2840,
0.3210

■ 19.4853, 0.2983,
0.3252

Harmonies

Analogous

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



11.8144, 0.2280, 0.3306



11.8144, 0.2110, 0.2794



11.8144, 0.2178, 0.2483

Triad

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



11.8144, 0.2110, 0.2794



11.8144, 0.3542, 0.2785



11.8144, 0.3752, 0.4300

Complementary

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



11.8144, 0.2110, 0.2794



4.9459, 0.6195, 0.3458

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.



11.8144, 0.4147, 0.4035



11.8144, 0.2110, 0.2794



11.8144, 0.4038, 0.3179

Square

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



11.8144, 0.2110, 0.2794



11.8144, 0.2959, 0.2506



11.8144, 0.4263, 0.3622



11.8144, 0.3211, 0.4269

Rectangle

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



11.8144, 0.2110, 0.2794



11.8144, 0.2350, 0.2399



11.8144, 0.4263, 0.3622



11.8144, 0.3907, 0.4238

Sweetspot

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



11.8148, 0.2110, 0.2794



29.8246, 0.2690, 0.3160



14.9707, 0.2954, 0.5833



6.6366, 0.2645, 0.3144



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



11.8148, 0.2110, 0.2794



20.6096, 0.2106, 0.2781



3.3295, 0.1663, 0.1183



4.7741, 0.2993, 0.3255



12.1055, 0.2109, 0.2792



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4817, 0.3640, 0.1780



9.6205, 0.3653, 0.1786



10.4693, 0.4944, 0.4454



4.4010, 0.3159, 0.3111



5.6166, 0.3642, 0.1780



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.8144, 0.2110, 0.2794 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 11.8144, 0.2110, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

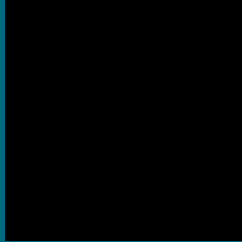
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8144, 0.2110, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 11.8144, 0.2110, 0.2794.

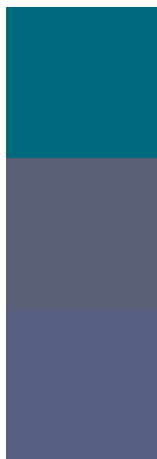


This preview shows how white text looks on a background with the Yxy color 11.8144, 0.2110, 0.2794.

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

11.8144, 0.2110, 0.2794

Protanopia

11.7166, 0.2768, 0.2778

Deuteranopia

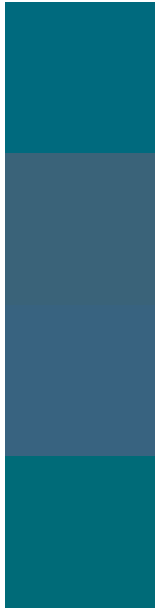
11.8441, 0.2607, 0.2556



Tritanopia

11.7763, 0.2182, 0.3056

Trichromacy



Original Color

11.8144, 0.2110, 0.2794

Protanomaly

11.2037, 0.2379, 0.2759

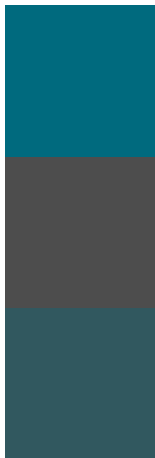
Deuteranomaly

11.3229, 0.2302, 0.2609

Tritanomaly

11.8715, 0.2155, 0.2959

Monochromacy



Original Color

11.8144, 0.2110, 0.2794

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.4586, 0.2492, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8144, 0.2110, 0.2794 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 126) }
```

Border

The CSS property to change the border of an element to Yxy 11.8144, 0.2110, 0.2794 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, 126) }
```

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

```
.border{ border-color:rgb(0, 106, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 106, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 106, 126); box-shadow:4px 4px 4px 4px rgb(0, 106, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8144, 0.2110, 0.2794 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, 126) }
```

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

```
.background{ background-color: rgb(0, 106,  
126) }
```

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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