

Converting Colors

$Y_{xy}(9.9372, 0.1410, 0.2790)$

Have a look what the booklet for
Yxy(9.9372, 0.1410, 0.2790)
contains.

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Color

Yxy(11.9706, 0.2129, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	006B7C
RGB	0, 107, 124
RGB Percent	0%, 42%, 49%
CMY	1.0000, 0.5804, 0.5137
CMYK	1.00, 0.14, 0.00, 0.51
HSL	188°, 100%, 24%
HSV	188°, 100%, 49%
XYZ	8.8954, 11.9706, 20.9162
YIQ	76.9450, -69.2290, -17.3970

Conversions

Conversions Part 2

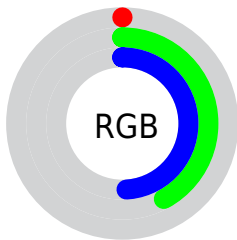
Format	Color
RYB	0, 57, 124
Decimal	27516
CIELab	41.17, -19.41, -16.83
CIELCh	41, 25.691, 220.932
Yxy	11.9706, 0.2129, 0.2865
Android (android.graphics.Color)	4278217596 (0xFF006B7C)
YUV	76.9450, 23.1981, -67.4808
Hunter-Lab	34.5986, -14.6544, -11.6241

Details

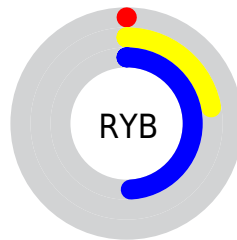
The Yxy color **11.9706, 0.2129, 0.2865** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.6878, 0.6234, 0.3432**, and the grayscale version is **7.3772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5903, 0.2368, 0.2985**, and **3.6359, 0.2072, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **11.9718, 0.2129, 0.2865**, and if you desaturate by 10%, it is **12.4112, 0.2166, 0.2911**.

Distribution



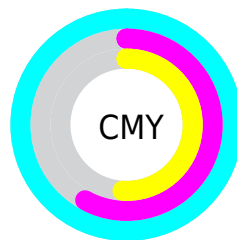
- Red (0%)
- Green (42%)
- Blue (49%)



- Red (0%)
- Yellow (22%)
- Blue (49%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (51%)




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


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9706, 0.2129, 0.2865 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 11.9706, 0.2129, 0.2865 by changing the saturation by 10% instead.


 11.9706, 0.2129,
0.2865


 11.9706, 0.2129,
0.2865


 204.2106, 0.2718,
0.3139

 6.7237, 0.1944,
0.2764


 29.4415, 0.2369,
0.2985


 3.2899, 0.1681,
0.2606

 42.4343, 0.2451,
0.3023

 1.2849, 0.1275,
0.2336

 58.7779, 0.2517,
0.3053

 0.1295, 0.0000,
0.0868

 78.8566, 0.2571,
0.3077

 0.0000, 0.0000,
0.0000

 103.0548, 0.2617,
0.3097

 131.7569, 0.2655,

0.3113

165.3474, 0.2689,
0.3127

■ 11.9706, 0.2129,
0.2865

■ 11.9706, 0.2129,
0.2865

■ 11.9718, 0.2129,
0.2865

■ 12.4112, 0.2166,
0.2911

■ 12.8996, 0.2214,
0.2958

■ 13.4649, 0.2279,
0.3005

■ 14.1155, 0.2362,
0.3051

■ 14.8583, 0.2462,
0.3096

■ 15.6999, 0.2576,
0.3140

■ 16.6460, 0.2702,
0.3181

■ 17.7017, 0.2838,
0.3220

■ 18.8722, 0.2980,
0.3257

Harmonies

Analogous

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



11.9706, 0.2334, 0.3395



11.9706, 0.2129, 0.2865



11.9706, 0.2161, 0.2522

Triad

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



11.9706, 0.2129, 0.2865



11.9706, 0.3451, 0.2739



11.9706, 0.3819, 0.4267

Complementary

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



11.9706, 0.2129, 0.2865



4.6878, 0.6234, 0.3432

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.



11.9706, 0.4175, 0.3973



11.9706, 0.2129, 0.2865



11.9706, 0.3968, 0.3117

Square

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



11.9706, 0.2129, 0.2865



11.9706, 0.2879, 0.2484



11.9706, 0.4240, 0.3554



11.9706, 0.3295, 0.4287

Rectangle

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



11.9706, 0.2129, 0.2865



11.9706, 0.2309, 0.2417



11.9706, 0.4240, 0.3554



11.9706, 0.3964, 0.4192

Sweetspot

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



11.9718, 0.2129, 0.2865



29.1593, 0.2693, 0.3178



14.4588, 0.2960, 0.5858



6.7270, 0.2648, 0.3164



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.



11.9718, 0.2129, 0.2865



20.9133, 0.2126, 0.2855



3.3688, 0.1674, 0.1227



4.4232, 0.2994, 0.3260



12.1640, 0.2129, 0.2865



57.1039, 0.2123, 0.2841

Inverse Universe

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



5.3480, 0.3575, 0.1743



9.3934, 0.3585, 0.1748



9.8129, 0.4990, 0.4420



4.0685, 0.3156, 0.3107



5.4348, 0.3575, 0.1743



25.8319, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 11.9706, 0.2129, 0.2865 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 11.9706, 0.2129, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

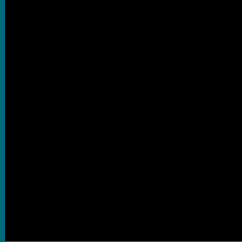
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9706, 0.2129, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 11.9706, 0.2129, 0.2865.

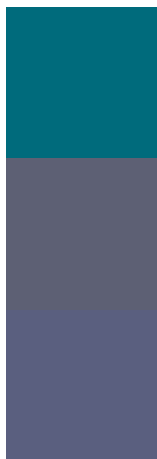


This preview shows how white text looks on a background with the Yxy color 11.9706, 0.2129, 0.2865.

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

11.9706, 0.2129, 0.2865

Protanopia

11.9539, 0.2821, 0.2846

Deuteranopia

11.8904, 0.2653, 0.2598



Tritanopia

11.9861, 0.2190, 0.3082

Trichromacy



Original Color

11.9706, 0.2129, 0.2865

Protanomaly

11.3761, 0.2410, 0.2830

Deuteranomaly

11.2999, 0.2327, 0.2652

Tritanomaly

12.0570, 0.2169, 0.3009

Monochromacy



Original Color

11.9706, 0.2129, 0.2865

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.4406, 0.2503, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9706, 0.2129, 0.2865 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, 107, 124)` looks like.

```
.text, #text, p{  
  color:rgb(0, 107, 124)  
}
```

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, 107, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 124) }
```

Border

The CSS property to change the border of an element to Yxy 11.9706, 0.2129, 0.2865 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, 107, 124) }
```

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

```
.border{ border-color:rgb(0, 107, 124) }
```

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

Here you see how a box with a 4 pixel rgb(0, 107, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9706, 0.2129, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 124) }
```

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

```
.background{ background-color: rgb(0, 107,  
124) }
```

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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