

# Converting Colors

$Y_{xy}(11.5110, 0.2305, 0.3287)$

Have a look what the booklet for  
Yxy(11.5110, 0.2305, 0.3287)  
contains.

<b>Yxy(11.5081, 0.2304, 0.3288)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**$Y_{xy}(11.5081, 0.2304, 0.3288)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	156A6A
RGB	21, 106, 106
RGB Percent	8%, 42%, 42%
CMY	0.9177, 0.5843, 0.5844
CMYK	0.80, 0.00, 0.00, 0.58
HSL	180°, 67%, 25%
HSV	180°, 80%, 42%
XYZ	8.0641, 11.5081, 15.4281
YIQ	80.5850, -50.6600, -18.0200

# Conversions

## Conversions Part 2

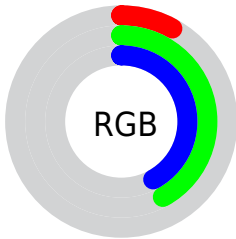
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 64, 106
Decimal	1403498
CIE <sub>Lab</sub>	40.42, -23.50, -6.99
CIE <sub>LCh</sub>	40, 24.515, 196.556
Yxy	11.5081, 0.2304, 0.3288
Android (android.graphics.Color)	4279593578 (0xFF156A6A)
YUV	80.5850, 12.5296, -52.2560
Hunter-Lab	33.9236, -16.9346, -3.2180

# Details

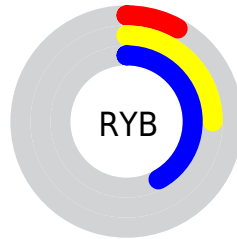
The Yxy color **11.5081, 0.2304, 0.3288** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.6548, 0.5727, 0.3297**, and the grayscale version is **8.1246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6819, 0.2512, 0.3306**, and **3.3419, 0.2234, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **11.4162, 0.2271, 0.3288**, and if you desaturate by 10%, it is **11.6498, 0.2354, 0.3288**.

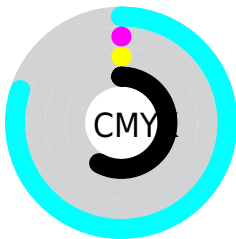
# Distribution



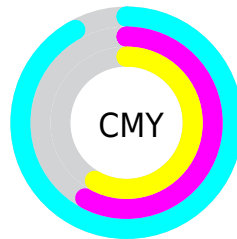
- Red (8%)
- Green (42%)
- Blue (42%)



- Red (8%)
- Yellow (25%)
- Blue (42%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)




- Cyan (92%)
- Magenta (58%)
- Yellow (58%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5081, 0.2304, 0.3288 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 11.5081, 0.2304, 0.3288 by changing the saturation by 10% instead.





 11.5081, 0.2304,  
0.3288


 11.5081, 0.2304,  
0.3288


 201.1210, 0.2799,  
0.3300


 6.4097, 0.2140,  
0.3276


 28.5960, 0.2510,  
0.3298


 3.0958, 0.1898,  
0.3248

 41.3542, 0.2579,  
0.3299


 1.1819, 0.1422,  
0.3212

 57.4346, 0.2634,  
0.3300

 0.0469, 0.0000,  
0.0799

 77.2213, 0.2679,  
0.3301

 0.0000, 0.0000,  
0.0000

 101.0990, 0.2717,  
0.3301

 129.4519, 0.2749,

0.3301

162.6644, 0.2776,  
0.3301

■ 11.5081, 0.2304,  
0.3288

■ 11.5081, 0.2304,  
0.3288

■ 11.4162, 0.2271,  
0.3288

■ 11.6498, 0.2354,  
0.3288

■ 11.3491, 0.2247,  
0.3288

■ 11.8456, 0.2420,  
0.3288

■ 12.1007, 0.2504,  
0.3288

■ 12.4192, 0.2603,  
0.3289

■ 12.8051, 0.2717,  
0.3289

■ 13.2620, 0.2844,  
0.3289

■ 13.7930, 0.2980,  
0.3290

■ 14.4014, 0.3124,  
0.3290

■ 15.0900, 0.3273,  
0.3290

# Harmonies

## Analogous

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



11.5081, 0.2676, 0.3837



11.5081, 0.2304, 0.3288



11.5081, 0.2147, 0.2802

# Triad

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



11.5081, 0.2304, 0.3288



11.5081, 0.2987, 0.2542



11.5081, 0.4096, 0.4020

# Complementary

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



11.5081, 0.2304, 0.3288



3.6548, 0.5727, 0.3297

# 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.



11.5081, 0.4217, 0.3628



11.5081, 0.2304, 0.3288



11.5081, 0.3545, 0.2817

# Square

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



11.5081, 0.2304, 0.3288



11.5081, 0.2512, 0.2428



11.5081, 0.4012, 0.3201



11.5081, 0.3712, 0.4263



# Rectangle

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



11.5081, 0.2304, 0.3288



11.5081, 0.2171, 0.2582



11.5081, 0.4012, 0.3201



11.5081, 0.4171, 0.3900

# Sweetspot

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



11.5085, 0.2304, 0.3288



22.8993, 0.2786, 0.3289



10.5382, 0.3024, 0.5661



5.3156, 0.2753, 0.3289



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290



# Same Dimension

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



11.5085, 0.2304, 0.3288



19.9521, 0.2254, 0.3288



4.9711, 0.1989, 0.2062



3.4919, 0.2998, 0.3290



14.0835, 0.2247, 0.3288



71.7613, 0.2247, 0.3288



# Inverse Universe

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



3.6548, 0.5727, 0.3297



5.5094, 0.6301, 0.3299



6.5728, 0.4896, 0.4122



3.1168, 0.3272, 0.3290



3.8028, 0.6400, 0.3300

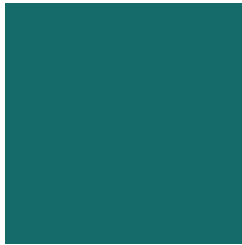


19.3766, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 11.5081, 0.2304, 0.3288 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 11.5081, 0.2304, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

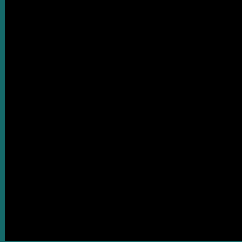
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 11.5081, 0.2304, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 11.5081, 0.2304, 0.3288.



This preview shows how white text looks on a background with the Yxy color 11.5081, 0.2304, 0.3288.

# 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

11.5081, 0.2304, 0.3288

### Protanopia

11.3392, 0.3072, 0.3174

### Deuteranopia

11.4742, 0.2964, 0.2931



## Tritanopia

11.5423, 0.2272, 0.3082

# Trichromacy



## Original Color

11.5081, 0.2304, 0.3288

## Protanomaly

10.9236, 0.2670, 0.3188

## Deuteranomaly

11.0833, 0.2615, 0.3042

## Tritanomaly

11.4356, 0.2282, 0.3157

# Monochromacy



## Original Color

11.5081, 0.2304, 0.3288

## Achromatopsia

8.2283, 0.3127, 0.3290

## Achromatomaly

8.9803, 0.2675, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 11.5081, 0.2304, 0.3288 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(21, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(21, 106, 106)  
}
```

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(21, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 106, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 11.5081, 0.2304, 0.3288 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(21, 106, 106) }
```

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

```
.border{ border-color:rgb(21, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(21, 106,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 11.5081, 0.2304, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 106, 106) }
```

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

```
.background{ background-color: rgb(21, 106,  
106) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor