

# Converting Colors

$Y_{xy}(15.6374, 0.5356, 0.4129)$

Have a look what the booklet for  
Yxy(15.6374, 0.5356, 0.4129)  
contains.

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**Color**

**Yxy(15.6374, 0.5356, 0.4129)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB5800
RGB	171, 88, 0
RGB Percent	67%, 35%, 0%
CMY	0.3294, 0.6549, 0.9998
CMYK	0.00, 0.49, 1.00, 0.33
HSL	31°, 100%, 34%
HSV	31°, 100%, 67%
XYZ	20.2843, 15.6374, 1.9504
YIQ	102.7850, 77.7160, -9.7720

# Conversions

## Conversions Part 2

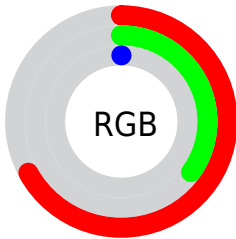
Format	Color
R <sub>Y</sub> B	161, 171, 0
Decimal	11229184
CIE Lab	46.50, 29.42, 55.42
CIE LCh	46, 62.746, 62.036
Yxy	15.6374, 0.5356, 0.4129
Android (android.graphics.Color)	4289419264 (0xFFAB5800)
YUV	102.7850, -50.6730, 59.8246
Hunter-Lab	39.5442, 22.3599, 24.7566

# Details

The Yxy color **15.6374, 0.5356, 0.4129** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.1328, 0.1761, 0.1540**, and the grayscale version is **13.6268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9473, 0.4912, 0.4075**, and **4.9623, 0.5738, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **15.6345, 0.5356, 0.4129**, and if you desaturate by 10%, it is **17.1206, 0.5154, 0.4180**.

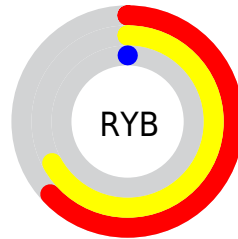
# Distribution



Red (67%)

Green (35%)

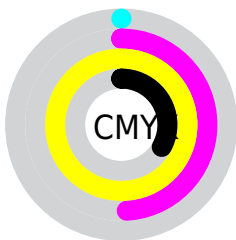
Blue (0%)



Red (63%)

Yellow (67%)

Blue (0%)

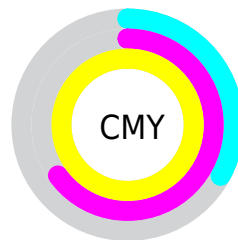


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (65%)


Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6374, 0.5356, 0.4129 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 15.6374, 0.5356, 0.4129 by changing the saturation by 10% instead.





 15.6374, 0.5356,  
0.4129


 15.6374, 0.5356,  
0.4129


 227.1925, 0.4138,  
0.3818


 9.2679, 0.5649,  
0.4118


 35.9676, 0.4916,  
0.4075


 4.9164, 0.5977,  
0.4023

 50.6970, 0.4747,  
0.4033


 2.1983, 0.6274,  
0.3726

 68.9820, 0.4603,  
0.3991

 0.7191, 0.6810,  
0.3190

 91.2068, 0.4481,  
0.3951

 0.0000, 1.0000,  
0.0000

 117.7559, 0.4377,  
0.3913


 0.0000, 0.0000,  
0.0000

 149.0136, 0.4286,


0.3879


 185.3643, 0.4208,  
0.3847

 15.6374, 0.5356,  
0.4129

 15.6374, 0.5356,  
0.4129


 15.6345, 0.5356,  
0.4129

 17.1206, 0.5154,  
0.4180

 18.7983, 0.4923,  
0.4187

 20.6900, 0.4666,  
0.4144

 22.8068, 0.4401,  
0.4061

 25.1584, 0.4140,  
0.3949

■ 27.7537, 0.3894,  
0.3820

■ 30.6012, 0.3668,  
0.3684

■ 33.7087, 0.3465,  
0.3548

■ 37.0837, 0.3285,  
0.3415

# Harmonies

## Analogous

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



15.6374, 0.5456, 0.3343



15.6374, 0.5356, 0.4129



15.6374, 0.4620, 0.4984

# Triad

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



15.6374, 0.5356, 0.4129



15.6374, 0.1659, 0.3865



15.6374, 0.2256, 0.1673

# Complementary

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



15.6374, 0.5356, 0.4129



9.1328, 0.1761, 0.1540

# 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.



15.6374, 0.1550, 0.1591



15.6374, 0.5356, 0.4129



15.6374, 0.1249, 0.2543

# Square

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



15.6374, 0.5356, 0.4129



15.6374, 0.2514, 0.5278



15.6374, 0.1232, 0.1834



15.6374, 0.3391, 0.2036



# Rectangle

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



15.6374, 0.5356, 0.4129



15.6374, 0.3951, 0.5469



15.6374, 0.1232, 0.1834



15.6374, 0.1972, 0.1614

# Sweetspot

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



15.6383, 0.5356, 0.4129



54.5102, 0.3680, 0.3692



9.3229, 0.4947, 0.2499



11.6803, 0.3770, 0.3748



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



15.6383, 0.5356, 0.4129



27.5741, 0.5381, 0.4109



37.7829, 0.4193, 0.5052



8.6712, 0.3274, 0.3407



11.8923, 0.5342, 0.4140



0.4399, 0.4908, 0.4485



# Inverse Universe

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



9.1328, 0.1761, 0.1540



15.9282, 0.1753, 0.1509



2.9415, 0.1500, 0.0600



8.3749, 0.2986, 0.3170



6.9867, 0.1766, 0.1556



0.3043, 0.1924, 0.2125



# Previews

## White Background



This preview shows how the Yxy color 15.6374, 0.5356, 0.4129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

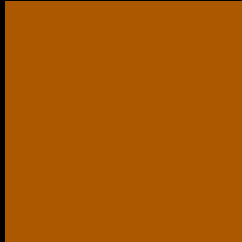
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 15.6374, 0.5356, 0.4129 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 15.6374, 0.5356, 0.4129**

## **Background**



This preview shows how black text looks on a background with the Yxy color 15.6374, 0.5356, 0.4129.



This preview shows how white text looks on a background with the Yxy color 15.6374, 0.5356, 0.4129.

# 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

15.6374, 0.5356, 0.4129

### Protanopia

15.7633, 0.4346, 0.4815

### Deuteranopia

15.6786, 0.4703, 0.4648



## Tritanopia

15.7214, 0.4548, 0.3222

# Trichromacy



## Original Color

15.6374, 0.5356, 0.4129

## Protanomaly

15.4732, 0.4729, 0.4556

## Deuteranomaly

15.5030, 0.4948, 0.4453

## Tritanomaly

15.5007, 0.5012, 0.3683

# Monochromacy



## Original Color

15.6374, 0.5356, 0.4129

## Achromatopsia

13.5633, 0.3127, 0.3290

## Achromatomaly

13.7179, 0.4070, 0.3917

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.6374, 0.5356, 0.4129 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(171, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 88, 0)  
}
```

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(171, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 88, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 15.6374, 0.5356, 0.4129 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(171, 88, 0) }
```

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

```
.border{ border-color:rgb(171, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 88, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 15.6374, 0.5356, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 88, 0) }
```

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

```
.background{ background-color: rgb(171, 88,  
0) }
```

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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