

# Converting Colors

$Y_{xy}(15.9294, 0.6302, 0.3378)$

Have a look what the booklet for  
Yxy(15.9294, 0.6302, 0.3378)  
contains.

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**Color**

**Yxy(15.8906, 0.6301, 0.3379)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB1C00
RGB	219, 28, 0
RGB Percent	86%, 11%, 0%
CMY	0.1411, 0.8903, 1.0000
CMYK	0.00, 0.87, 1.00, 0.14
HSL	8°, 100%, 43%
HSV	8°, 100%, 86%
XYZ	29.6320, 15.8906, 1.5049
YIQ	81.9170, 122.8240, 31.7840

# Conversions

## Conversions Part 2

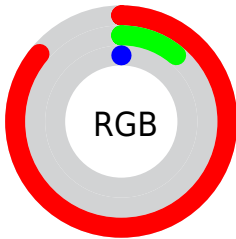
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 32, 0</a>
Decimal	<a href="#">14359552</a>
CIELab	<a href="#">46.83, 68.21, 60.33</a>
CIElCh	<a href="#">47, 91.066, 41.492</a>
Yxy	<a href="#">15.8906, 0.6301, 0.3379</a>
Android (android.graphics.Color)	<a href="#">4292549632 (0xFFDB1C00)</a>
YUV	<a href="#">81.9170, -40.3851, 120.2218</a>
Hunter-Lab	<a href="#">39.8630, 62.9271, 25.6658</a>

# Details

The Yxy color **15.8906, 0.6301, 0.3379** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **42.3942, 0.2132, 0.2877**, and the grayscale version is **8.4819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0949, 0.5541, 0.3607**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.8916, 0.6301, 0.3379**, and if you desaturate by 10%, it is **17.1592, 0.6076, 0.3431**.

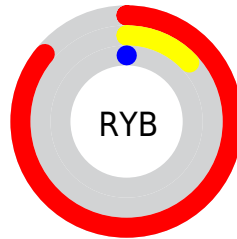
# Distribution



Red (86%)

Green (11%)

Blue (0%)



Red (86%)

Yellow (13%)

Blue (0%)

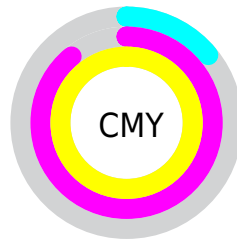


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (89%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8906, 0.6301, 0.3379 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 15.8906, 0.6301, 0.3379 by changing the saturation by 10% instead.





 15.8906, 0.6301,  
0.3379


 15.8906, 0.6301,  
0.3379


 228.6953, 0.4601,  
0.3602


 9.4468, 0.6709,  
0.3216


 36.4082, 0.5704,  
0.3551


 5.0337, 0.7094,  
0.2906

 51.2507, 0.5468,  
0.3587

 2.2671, 0.7557,  
0.2443

 69.6616, 0.5266,  
0.3606

 0.7562, 0.8231,  
0.1769

 92.0253, 0.5093,  
0.3615


 0.0000, 1.0000,  
0.0000

 118.7261, 0.4944,  
0.3616

 0.0000, 0.0000,  
0.0000


 150.1484, 0.4814,


0.3614


 186.6767, 0.4701,  
0.3608


 15.8906, 0.6301,  
0.3379


 15.8906, 0.6301,  
0.3379


 15.8916, 0.6301,  
0.3379

 17.1592, 0.6076,  
0.3431

 19.1605, 0.5731,  
0.3472

 21.9944, 0.5308,  
0.3489

 25.7399, 0.4864,  
0.3482

 30.4664, 0.4447,  
0.3460

■ 36.2368, 0.4079,  
0.3429

■ 43.1085, 0.3767,  
0.3393

■ 51.1350, 0.3510,  
0.3357

■ 60.3659, 0.3299,  
0.3322

# Harmonies

## Analogous

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



15.8906, 0.5784, 0.2589



15.8906, 0.6301, 0.3379



15.8906, 0.5630, 0.4370

# Triad

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



15.8906, 0.6301, 0.3379



15.8906, 0.1737, 0.5782



15.8906, 0.1318, 0.1142

# Complementary

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



15.8906, 0.6301, 0.3379



42.3942, 0.2132, 0.2877

# 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.



15.8906, 0.0847, 0.1250



15.8906, 0.6301, 0.3379



15.8906, 0.0949, 0.3312

# Square

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



15.8906, 0.6301, 0.3379



15.8906, 0.2972, 0.6661



15.8906, 0.0723, 0.1816



15.8906, 0.2332, 0.1342



# Rectangle

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



15.8906, 0.6301, 0.3379



15.8906, 0.4807, 0.5193



15.8906, 0.0723, 0.1816



15.8906, 0.1113, 0.1141

# Sweetspot

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



15.8916, 0.6301, 0.3379



60.5770, 0.3775, 0.3394



18.9333, 0.3531, 0.1719



12.0452, 0.3901, 0.3410



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



15.8916, 0.6301, 0.3379



22.3241, 0.6310, 0.3372



32.4068, 0.5082, 0.4347



13.3182, 0.3288, 0.3321



9.5094, 0.6284, 0.3393



0.7058, 0.6034, 0.3591

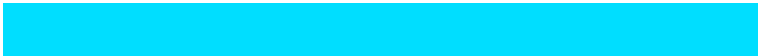


# Inverse Universe

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



42.3942, 0.2132, 0.2877



59.6906, 0.2131, 0.2873



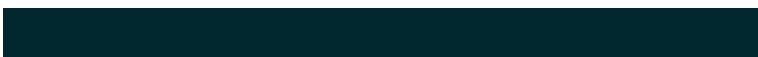
11.4490, 0.1665, 0.1195



14.5309, 0.2982, 0.3259



25.2469, 0.2134, 0.2883



1.7166, 0.2154, 0.2956



# Previews

## White Background



This preview shows how the Yxy color 15.8906, 0.6301, 0.3379 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

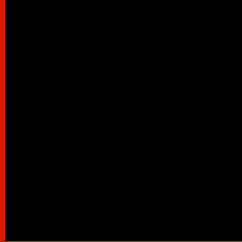
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 15.8906, 0.6301, 0.3379**

## Background



This preview shows how black text looks on a background with the Yxy color 15.8906, 0.6301, 0.3379.



This preview shows how white text looks on a background with the Yxy color 15.8906, 0.6301, 0.3379.

# 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

15.8906, 0.6301, 0.3379

### Protanopia

16.1031, 0.4284, 0.4726

### Deuteranopia

16.1781, 0.4683, 0.4664



## Tritanopia

15.9019, 0.6209, 0.3319

# Trichromacy



## Original Color

15.8906, 0.6301, 0.3379

## Protanomaly

13.3989, 0.5294, 0.4044

## Deuteranomaly

13.8838, 0.5509, 0.4008

## Tritanomaly

15.8756, 0.6253, 0.3344

# Monochromacy



## Original Color

15.8906, 0.6301, 0.3379

## Achromatopsia

8.4376, 0.3127, 0.3290

## Achromatomaly

8.5987, 0.4793, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.8906, 0.6301, 0.3379 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(219, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 28, 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(219, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 28, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 15.8906, 0.6301, 0.3379 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(219, 28, 0) }
```

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

```
.border{ border-color:rgb(219, 28, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 28, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 28, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 15.8906, 0.6301, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 28, 0) }
```

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

```
.background{ background-color: rgb(219, 28,  
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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