

# Converting Colors

$Y_{xy}(20.9197, 0.5696, 0.3997)$

Have a look what the booklet for  
Yxy(20.9197, 0.5696, 0.3997)  
contains.

<b>Yxy(21.0375, 0.5609, 0.3929)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	29

**Color**

**Yxy(21.0375, 0.5609, 0.3929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D15B00
RGB	209, 91, 0
RGB Percent	82%, 36%, 0%
CMY	0.1804, 0.6431, 1.0000
CMYK	0.00, 0.56, 1.00, 0.18
HSL	26°, 100%, 41%
HSV	26°, 100%, 82%
XYZ	30.0329, 21.0375, 2.4737
YIQ	115.9080, 99.5390, -3.2850

# Conversions

## Conversions Part 2

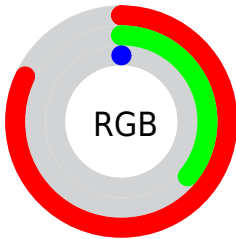
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	209, 161, 0
Decimal	13720320
CIELab	52.99, 43.18, 62.30
CIElCh	53, 75.807, 55.274
Yxy	21.0375, 0.5609, 0.3929
Android (android.graphics.Color)	4291910400 (0xFFD15B00)
YUV	115.9080, -57.1426, 81.6417
Hunter-Lab	45.8667, 36.6129, 28.9090

# Details

The Yxy color **21.0375, 0.5609, 0.3929** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.5531, 0.1830, 0.1786**, and the grayscale version is **17.5931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5654, 0.5027, 0.4010**, and **7.6541, 0.6013, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **21.0390, 0.5609, 0.3929**, and if you desaturate by 10%, it is **23.2713, 0.5382, 0.4007**.

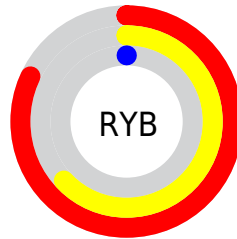
# Distribution



Red (82%)

Green (36%)

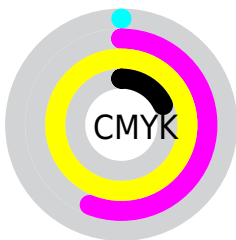
Blue (0%)



Red (82%)

Yellow (63%)

Blue (0%)

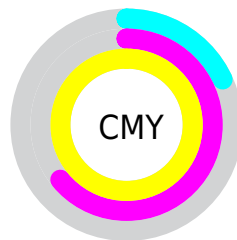


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (64%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0375, 0.5609, 0.3929 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 21.0375, 0.5609, 0.3929 by changing the saturation by 10% instead.





 21.0375, 0.5609,  
0.3929


 21.0375, 0.5609,  
0.3929


257.4777, 0.4318,  
0.3782


 13.1514, 0.5888,  
0.3869


 45.1499, 0.5159,  
0.3942

 7.5329, 0.6242,  
0.3758


 62.1451, 0.4981,  
0.3925


 3.7975, 0.6537,  
0.3463

 82.9454, 0.4829,  
0.3902

 1.5610, 0.6984,  
0.3016

 107.9352, 0.4697,  
0.3878

 0.3311, 0.8179,  
0.1821

 137.4989, 0.4583,  
0.3852


 0.0000, 1.0000,  
0.0000


 172.0210, 0.4483,


 0.0000, 0.0000,


0.3828


0.0000

 211.8858, 0.4395,  
0.3804


 21.0375, 0.5609,  
0.3929


 21.0375, 0.5609,  
0.3929

 21.0390, 0.5609,  
0.3929

 23.2713, 0.5382,  
0.4007

 25.8927, 0.5114,  
0.4038

 28.9359, 0.4816,  
0.4016

 32.4238, 0.4510,  
0.3953

 36.3772, 0.4214,  
0.3859

■ 40.8150, 0.3941,  
0.3749

■ 45.7552, 0.3695,  
0.3631

■ 51.2143, 0.3479,  
0.3513

■ 57.2084, 0.3290,  
0.3398

# Harmonies

## Analogous

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



21.0375, 0.5550, 0.3134



21.0375, 0.5609, 0.3929



21.0375, 0.4900, 0.4844

# Triad

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



21.0375, 0.5609, 0.3929



21.0375, 0.1700, 0.4309



21.0375, 0.1975, 0.1524

# Complementary

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



21.0375, 0.5609, 0.3929



17.5531, 0.1830, 0.1786

# 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.



21.0375, 0.1341, 0.1503



21.0375, 0.5609, 0.3929



21.0375, 0.1179, 0.2722

# Square

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



21.0375, 0.5609, 0.3929



21.0375, 0.2681, 0.5711



21.0375, 0.1090, 0.1836



21.0375, 0.3092, 0.1839



# Rectangle

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



21.0375, 0.5609, 0.3929



21.0375, 0.4207, 0.5453



21.0375, 0.1090, 0.1836



21.0375, 0.1714, 0.1484

# Sweetspot

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



21.0390, 0.5609, 0.3929



71.4899, 0.3703, 0.3635



14.8720, 0.4693, 0.2359



14.5760, 0.3805, 0.3686



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.



21.0390, 0.5609, 0.3929



32.6411, 0.5627, 0.3914



52.6094, 0.4316, 0.4955



12.6431, 0.3280, 0.3392



13.1620, 0.5584, 0.3948



0.8925, 0.5267, 0.4200



# Inverse Universe

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



17.5531, 0.1830, 0.1786



27.1495, 0.1825, 0.1768



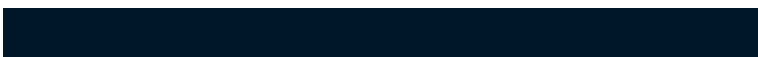
4.9152, 0.1510, 0.0636



12.5091, 0.2983, 0.3186



11.0233, 0.1836, 0.1809



0.7727, 0.1919, 0.2107



# Previews

## White Background



This preview shows how the Yxy color 21.0375, 0.5609, 0.3929 looks on a white 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



# Black Background



This preview shows how the Yxy color 21.0375, 0.5609, 0.3929 looks on a black 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

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

**Yxy 21.0375, 0.5609, 0.3929**

## Background



This preview shows how black text looks on a background with the Yxy color 21.0375, 0.5609, 0.3929.



This preview shows how white text looks on a background with the Yxy color 21.0375, 0.5609, 0.3929.

# 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

21.0375, 0.5609, 0.3929

### Protanopia

21.3285, 0.4331, 0.4818

### Tritanopia

21.0841, 0.4909, 0.3239

# Trichromacy



## Original Color

21.0375, 0.5609, 0.3929

## Protanomaly

20.5060, 0.4832, 0.4476

## Tritanomaly

20.8134, 0.5315, 0.3600

# Monochromacy



## Original Color

21.0375, 0.5609, 0.3929

## Achromatopsia

17.4647, 0.3127, 0.3290

## Achromatomaly

17.4938, 0.4199, 0.3852

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.0375, 0.5609, 0.3929 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(209, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 91, 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(209, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 91, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 21.0375, 0.5609, 0.3929 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(209, 91, 0) }
```

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

```
.border{ border-color:rgb(209, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 91, 0)  
}
```

# Background

The CSS property to change the background color of an element to Yxy 21.0375, 0.5609, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 91, 0) }
```

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

```
.background{ background-color: rgb(209, 91,  
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](#).



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