

# Converting Colors

$Yxy(21.5278, 0.5291, 0.4181)$

Have a look what the booklet for  
Yxy(21.5278, 0.5291, 0.4181)  
contains.

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# Color

**Yxy(21.5725, 0.5291, 0.4181)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C26900
RGB	194, 105, 0
RGB Percent	76%, 41%, 0%
CMY	0.2392, 0.5882, 1.0000
CMYK	0.00, 0.46, 1.00, 0.24
HSL	32°, 100%, 38%
HSV	32°, 100%, 76%
XYZ	27.2997, 21.5725, 2.7243
YIQ	119.6410, 86.7490, -13.7870

# Conversions

## Conversions Part 2

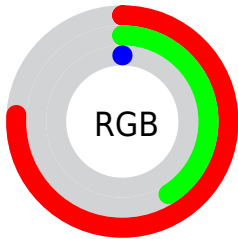
Format	Color
<a href="#">RYB</a>	<a href="#">164, 194, 0</a>
Decimal	<a href="#">12740864</a>
CIELab	<a href="#">53.57, 30.02, 61.45</a>
CIElCh	<a href="#">54, 68.395, 63.962</a>
Yxy	<a href="#">21.5725, 0.5291, 0.4181</a>
Android (android.graphics.Color)	<a href="#">4290930944</a> ( <a href="#">0xFFC26900</a> )
YUV	<a href="#">119.6410, -58.9830, 65.2128</a>
Hunter-Lab	<a href="#">46.4462, 23.6362, 29.0347</a>

# Details

The Yxy color **21.5725, 0.5291, 0.4181** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **11.0388, 0.1733, 0.1437**, and the grayscale version is **18.8338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7556, 0.4888, 0.4123**, and **7.8967, 0.5602, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **21.5737, 0.5291, 0.4181**, and if you desaturate by 10%, it is **23.5310, 0.5105, 0.4233**.

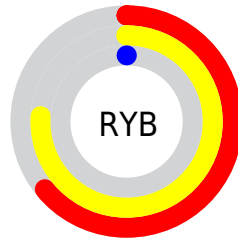
# Distribution



Red (76%)

Green (41%)

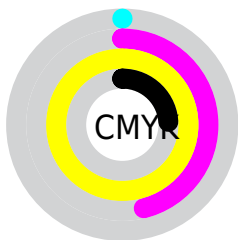
Blue (0%)



Red (64%)

Yellow (76%)

Blue (0%)

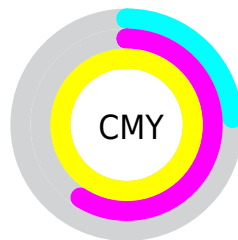


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (59%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5725, 0.5291, 0.4181 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 21.5725, 0.5291, 0.4181 by changing the saturation by 10% instead.





 21.5725, 0.5291,  
0.4181


 21.5725, 0.5291,  
0.4181


260.3056, 0.4171,  
0.3860


 13.5431, 0.5530,  
0.4175


 46.0384, 0.4902,  
0.4119


 7.8036, 0.5851,  
0.4149


 63.2437, 0.4747,  
0.4078


 3.9695, 0.6072,  
0.3928

 84.2765, 0.4615,  
0.4036

 1.6565, 0.6419,  
0.3581

 109.5211, 0.4500,  
0.3995

 0.3953, 0.7422,  
0.2578

 139.3619, 0.4401,  
0.3957

 0.0000, 1.0000,  
0.0000


 174.1833, 0.4314,


 0.0000, 0.0000,


0.3922


0.0000


 214.3697, 0.4238,  
0.3890


 21.5725, 0.5291,  
0.4181


 21.5725, 0.5291,  
0.4181


 21.5737, 0.5291,  
0.4181

 23.5310, 0.5105,  
0.4233

 25.7320, 0.4887,  
0.4239

 28.1993, 0.4643,  
0.4193

 30.9467, 0.4388,  
0.4105

 33.9868, 0.4134,  
0.3988

■ 37.3308, 0.3892,  
0.3852

■ 40.9893, 0.3669,  
0.3708

■ 44.9722, 0.3467,  
0.3564

■ 49.2887, 0.3286,  
0.3423

# Harmonies

## Analogous

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



21.5725, 0.5431, 0.3398



21.5725, 0.5291, 0.4181



21.5725, 0.4546, 0.5016

# Triad

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



21.5725, 0.5291, 0.4181



21.5725, 0.1647, 0.3758



21.5725, 0.2332, 0.1712

# Complementary

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



21.5725, 0.5291, 0.4181



11.0388, 0.1733, 0.1437

# 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.



21.5725, 0.1607, 0.1613



21.5725, 0.5291, 0.4181



21.5725, 0.1266, 0.2498

# Square

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



21.5725, 0.5291, 0.4181



21.5725, 0.2467, 0.5164



21.5725, 0.1269, 0.1832



21.5725, 0.3471, 0.2087



# Rectangle

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



21.5725, 0.5291, 0.4181



21.5725, 0.3881, 0.5465



21.5725, 0.1269, 0.1832



21.5725, 0.2042, 0.1647

# Sweetspot

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



21.5737, 0.5291, 0.4181



73.9340, 0.3679, 0.3715



12.2166, 0.5108, 0.2588



15.5535, 0.3773, 0.3777



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.



21.5737, 0.5291, 0.4181



38.5696, 0.5312, 0.4164



49.2157, 0.4135, 0.5099



10.9608, 0.3276, 0.3415



14.3498, 0.5272, 0.4196



0.7566, 0.4969, 0.4437



# Inverse Universe

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



11.0388, 0.1733, 0.1437



19.5031, 0.1725, 0.1410



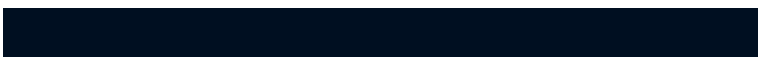
3.9368, 0.1510, 0.0605



10.4922, 0.2984, 0.3162



7.4178, 0.1739, 0.1461



0.4582, 0.1859, 0.1891



# Previews

## White Background



This preview shows how the Yxy color 21.5725, 0.5291, 0.4181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

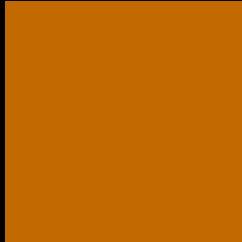
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 21.5725, 0.5291, 0.4181 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 21.5725, 0.5291, 0.4181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 21.5725, 0.5291, 0.4181.



This preview shows how white text looks on a background with the Yxy color 21.5725, 0.5291, 0.4181.

# 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

21.5725, 0.5291, 0.4181

### Protanopia

21.7577, 0.4357, 0.4831

### Deuteranopia

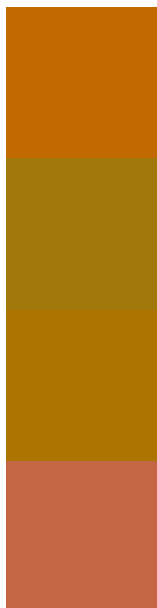
21.6004, 0.4703, 0.4648



## Tritanopia

21.6256, 0.4434, 0.3202

# Trichromacy



## Original Color

21.5725, 0.5291, 0.4181

## Protanomaly

21.2414, 0.4720, 0.4583

## Deuteranomaly

21.4895, 0.4929, 0.4469

## Tritanomaly

21.4484, 0.4916, 0.3709

# Monochromacy



## Original Color

21.5725, 0.5291, 0.4181

## Achromatopsia

18.7821, 0.3127, 0.3290

## Achromatomaly

18.9863, 0.4062, 0.3961

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.5725, 0.5291, 0.4181 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(194, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 105, 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(194, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 105, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 21.5725, 0.5291, 0.4181 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(194, 105, 0) }
```

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

```
.border{ border-color:rgb(194, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 105,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 21.5725, 0.5291, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 105, 0) }
```

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

```
.background{ background-color: rgb(194,  
105, 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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