

# Converting Colors

$Y_{xy}(22.5153, 0.5049, 0.4088)$

Have a look what the booklet for  
Yxy(22.5153, 0.5049, 0.4088)  
contains.

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# Color

**Yxy(22.6293, 0.5051, 0.4094)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C16E26
RGB	193, 110, 38
RGB Percent	76%, 43%, 15%
CMY	0.2431, 0.5686, 0.8512
CMYK	0.00, 0.43, 0.80, 0.24
HSL	28°, 67%, 45%
HSV	28°, 80%, 76%
XYZ	27.9191, 22.6293, 4.7260
YIQ	126.6090, 72.5800, -4.7960

# Conversions

## Conversions Part 2

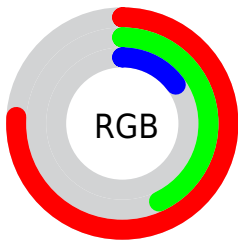
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 172, 38
Decimal	12676646
CIELab	54.69, 27.68, 51.59
CIELCh	55, 58.547, 61.785
Yxy	22.6293, 0.5051, 0.4094
Android (android.graphics.Color)	4290866726 (0xFFC16E26)
YUV	126.6090, -43.6842, 58.2249
Hunter-Lab	47.5703, 21.5139, 27.4089

# Details

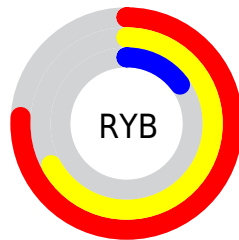
The Yxy color **22.6293, 0.5051, 0.4094** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **17.9264, 0.1957, 0.2033**, and the grayscale version is **21.2153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6328, 0.4674, 0.4005**, and **8.3240, 0.5486, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **20.4355, 0.5304, 0.4070**, and if you desaturate by 10%, it is **25.1500, 0.4769, 0.4066**.

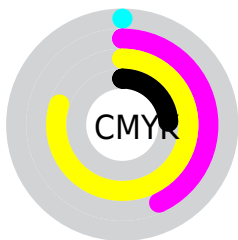
# Distribution



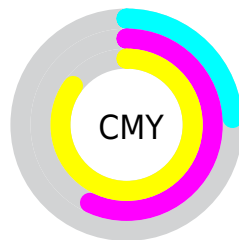
- Red (76%)
- Green (43%)
- Blue (15%)



- Red (76%)
- Yellow (67%)
- Blue (15%)



- Cyan (0%)
- Magenta (43%)
- Yellow (80%)
- Black (24%)




- Cyan (24%)
- Magenta (57%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6293, 0.5051, 0.4094 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 22.6293, 0.5051, 0.4094 by changing the saturation by 10% instead.





 22.6293, 0.5051,  
0.4094


 22.6293, 0.5051,  
0.4094


265.8152, 0.4025,  
0.3765


 14.3200, 0.5295,  
0.4120


 47.7839, 0.4678,  
0.4009


 8.3436, 0.5598,  
0.4118


 65.3980, 0.4536,  
0.3965


 4.3156, 0.5960,  
0.4040

 86.8826, 0.4417,  
0.3924

 1.8516, 0.6270,  
0.3730

 112.6219, 0.4315,  
0.3886

 0.5190, 0.7004,  
0.2996

 143.0005, 0.4227,  
0.3851

 0.0000, 1.0000,  
0.0000

 178.4026, 0.4151,

 0.0000, 0.0000,

0.3820

0.0000

219.2127, 0.4084,  
0.3791

■ 22.6293, 0.5051,  
0.4094

■ 22.6293, 0.5051,  
0.4094

■ 20.4355, 0.5304,  
0.4070

■ 25.1500, 0.4769,  
0.4066

■ 18.5978, 0.5515,  
0.4003

■ 28.0113, 0.4478,  
0.3996

■ 31.2299, 0.4196,  
0.3897

■ 34.8199, 0.3932,  
0.3780

■ 38.7948, 0.3693,  
0.3655

■ 43.1670, 0.3480,  
0.3530

■ 47.9484, 0.3294,  
0.3409

■ 53.1502, 0.3132,  
0.3294

■ 58.7832, 0.2992,  
0.3187

# Harmonies

## Analogous

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



22.6293, 0.5072, 0.3390



22.6293, 0.5051, 0.4094



22.6293, 0.4474, 0.4793

# Triad

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



22.6293, 0.5051, 0.4094



22.6293, 0.1899, 0.3788



22.6293, 0.2390, 0.1883

# Complementary

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



22.6293, 0.5051, 0.4094



17.9264, 0.1957, 0.2033

# 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.



22.6293, 0.1760, 0.1819



22.6293, 0.5051, 0.4094



22.6293, 0.1505, 0.2704

# Square

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



22.6293, 0.5051, 0.4094



22.6293, 0.2661, 0.4884



22.6293, 0.1472, 0.2060



22.6293, 0.3353, 0.2207



# Rectangle

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



22.6293, 0.5051, 0.4094



22.6293, 0.3911, 0.5138



22.6293, 0.1472, 0.2060



22.6293, 0.2140, 0.1831

# Sweetspot

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



22.6305, 0.5051, 0.4094



74.0555, 0.3563, 0.3581



14.1576, 0.4336, 0.2336



15.2887, 0.3640, 0.3626



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



22.6305, 0.5051, 0.4094



34.1173, 0.5459, 0.4019



46.2828, 0.4197, 0.4887



10.8321, 0.3278, 0.3397



12.5255, 0.5494, 0.4020



0.6790, 0.5131, 0.4308



# Inverse Universe

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



17.9264, 0.1957, 0.2033



25.2591, 0.1821, 0.1735



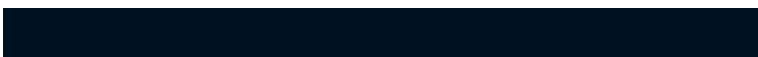
6.1929, 0.1659, 0.0902



10.6209, 0.2984, 0.3180



9.2165, 0.1810, 0.1714



0.5351, 0.1916, 0.2097



# Previews

## White Background



This preview shows how the Yxy color 22.6293, 0.5051, 0.4094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

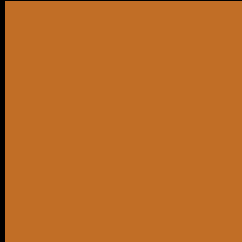
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 22.6293, 0.5051, 0.4094 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 22.6293, 0.5051, 0.4094**

## **Background**



This preview shows how black text looks on a background with the Yxy color 22.6293, 0.5051, 0.4094.



This preview shows how white text looks on a background with the Yxy color 22.6293, 0.5051, 0.4094.

# 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

22.6293, 0.5051, 0.4094

### Protanopia

22.8874, 0.4204, 0.4639

### Deuteranopia

22.7708, 0.4583, 0.4516



## Tritanopia

22.6966, 0.4329, 0.3201

# Trichromacy



## Original Color

22.6293, 0.5051, 0.4094

## Protanomaly

22.4750, 0.4521, 0.4430

## Deuteranomaly

22.6624, 0.4753, 0.4364

## Tritanomaly

22.6839, 0.4655, 0.3577

# Monochromacy



## Original Color

22.6293, 0.5051, 0.4094

## Achromatopsia

21.2231, 0.3127, 0.3290

## Achromatomaly

21.0803, 0.3835, 0.3731

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.6293, 0.5051, 0.4094 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(193, 110, 38)` looks like.

```
.text, #text, p{  
    color:rgb(193, 110, 38)  
}
```

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(193, 110, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 110, 38) }
```

## Border

The CSS property to change the border of an element to Yxy 22.6293, 0.5051, 0.4094 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(193, 110, 38) }
```

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

```
.border{ border-color:rgb(193, 110, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 110, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 110, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 110, 38);  
box-shadow:4px 4px 4px 4px rgb(193, 110,  
38) }
```



# Background

The CSS property to change the background color of an element to Yxy 22.6293, 0.5051, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 110, 38) }
```

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

```
.background{ background-color: rgb(193,  
110, 38) }
```

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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