

Converting Colors

$Y_{xy}(22.6575, 0.5304, 0.4171)$

Have a look what the booklet for
Yxy(22.6575, 0.5304, 0.4171)
contains.

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Color

$\text{Yxy}(22.6575, 0.5304, 0.4171)$

Conversions

Conversions Part 1

Format	Color
Hex	C76B00
RGB	199, 107, 0
RGB Percent	78%, 42%, 0%
CMY	0.2196, 0.5804, 1.0000
CMYK	0.00, 0.46, 1.00, 0.22
HSL	32°, 100%, 39%
HSV	32°, 100%, 78%
XYZ	28.8121, 22.6575, 2.8519
YIQ	122.3100, 89.1790, -13.7730

Conversions

Conversions Part 2

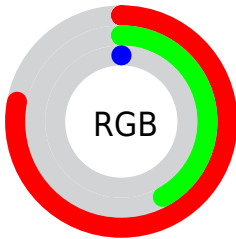
Format	Color
R_{YB}	171, 199, 0
Decimal	13069056
CIE Lab	54.72, 31.06, 62.53
CIE LCh	55, 69.821, 63.586
Yxy	22.6575, 0.5304, 0.4171
Android (android.graphics.Color)	4291259136 (0xFFC76B00)
YUV	122.3100, -60.2988, 67.2571
Hunter-Lab	47.5999, 24.7459, 29.7677

Details

The Yxy color **22.6575, 0.5304, 0.4171** 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 **11.7792, 0.1735, 0.1446**, and the grayscale version is **19.7492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4379, 0.4869, 0.4142**, and **8.4294, 0.5600, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **22.6589, 0.5304, 0.4171**, and if you desaturate by 10%, it is **24.7308, 0.5117, 0.4225**.

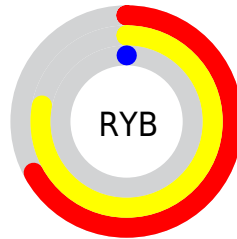
Distribution



Red (78%)

Green (42%)

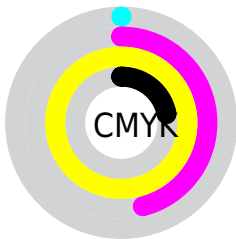
Blue (0%)



Red (67%)

Yellow (78%)

Blue (0%)

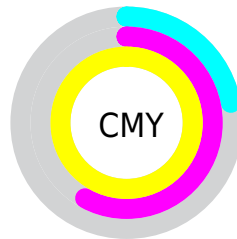


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6575, 0.5304, 0.4171 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 22.6575, 0.5304, 0.4171 by changing the saturation by 10% instead.


 22.6575, 0.5304,
0.4171


 22.6575, 0.5304,
0.4171


265.9609, 0.4186,
0.3862


 14.3408, 0.5540,
0.4164


 47.8303, 0.4918,
0.4114


 8.3581, 0.5861,
0.4139


 65.4553, 0.4764,
0.4074


 4.3249, 0.6078,
0.3922

 86.9517, 0.4632,
0.4033

 1.8569, 0.6414,
0.3586

 112.7041, 0.4517,
0.3994

 0.5223, 0.7174,
0.2826

 143.0969, 0.4418,
0.3957

 0.0000, 1.0000,
0.0000

 178.5143, 0.4331,

 0.0000, 0.0000,


0.3923

0.0000


 219.3409, 0.4254,
0.3891


 22.6575, 0.5304,
0.4171


 22.6575, 0.5304,
0.4171

 22.6589, 0.5304,
0.4171

 24.7308, 0.5117,
0.4225

 27.0645, 0.4898,
0.4232

 29.6838, 0.4652,
0.4188

 32.6038, 0.4394,
0.4101

 35.8377, 0.4138,
0.3984

■ 39.3979, 0.3895,
0.3849

■ 43.2956, 0.3671,
0.3706

■ 47.5415, 0.3468,
0.3563

■ 52.1456, 0.3287,
0.3423

Harmonies

Analogous

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



22.6575, 0.5437, 0.3387



22.6575, 0.5304, 0.4171



22.6575, 0.4560, 0.5010

Triad

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



22.6575, 0.5304, 0.4171



22.6575, 0.1649, 0.3779



22.6575, 0.2317, 0.1704

Complementary

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



22.6575, 0.5304, 0.4171



11.7792, 0.1735, 0.1446

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.



22.6575, 0.1595, 0.1608



22.6575, 0.5304, 0.4171



22.6575, 0.1262, 0.2507

Square

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



22.6575, 0.5304, 0.4171



22.6575, 0.2476, 0.5187



22.6575, 0.1261, 0.1832



22.6575, 0.3455, 0.2077

Rectangle

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



22.6575, 0.5304, 0.4171



22.6575, 0.3894, 0.5467



22.6575, 0.1261, 0.1832



22.6575, 0.2028, 0.1640

Sweetspot

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



22.6589, 0.5304, 0.4171



75.4880, 0.3680, 0.3713



12.9312, 0.5112, 0.2590



15.5194, 0.3774, 0.3774



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.



22.6589, 0.5304, 0.4171



39.1819, 0.5324, 0.4155



52.1058, 0.4135, 0.5099



11.5657, 0.3276, 0.3414



14.7459, 0.5284, 0.4186



0.8421, 0.4997, 0.4414

Inverse Universe

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



11.7792, 0.1735, 0.1446



20.1516, 0.1728, 0.1420



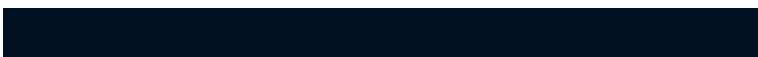
4.1667, 0.1509, 0.0605



11.0821, 0.2983, 0.3163



7.7451, 0.1742, 0.1470



0.5113, 0.1853, 0.1869

Previews

White Background



This preview shows how the Yxy color 22.6575, 0.5304, 0.4171 looks on a white background.

Color Contrast Check

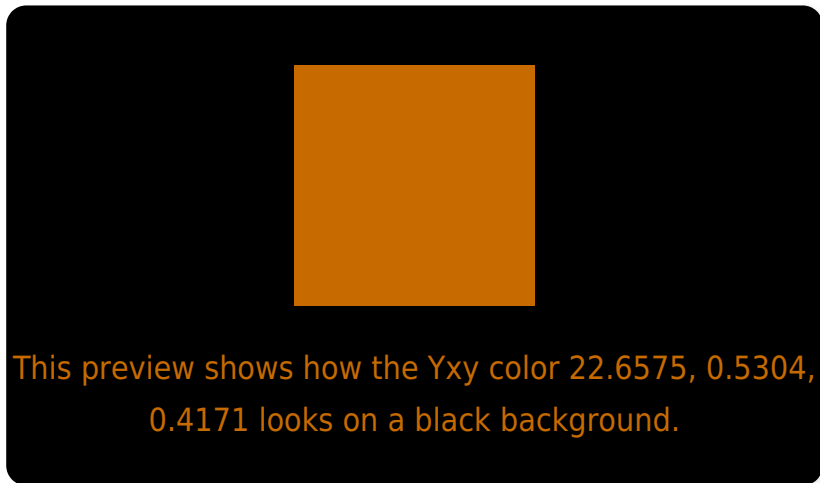
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 22.6575, 0.5304, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 22.6575, 0.5304, 0.4171.



This preview shows how white text looks on a background with the Yxy color 22.6575, 0.5304, 0.4171.

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

22.6575, 0.5304, 0.4171

Protanopia

22.8389, 0.4352, 0.4833

Deuteranopia

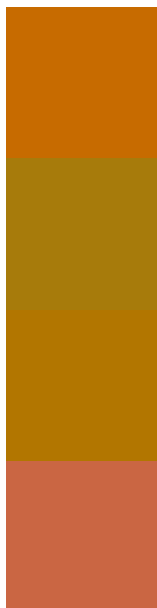
22.7742, 0.4705, 0.4646



Tritanopia

22.6608, 0.4483, 0.3206

Trichromacy



Original Color

22.6575, 0.5304, 0.4171

Protanomaly

22.4056, 0.4719, 0.4581

Deuteranomaly

22.4218, 0.4940, 0.4459

Tritanomaly

22.4645, 0.4967, 0.3704

Monochromacy



Original Color

22.6575, 0.5304, 0.4171

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.7567, 0.4061, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6575, 0.5304, 0.4171 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(199, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 107, 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(199, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.6575, 0.5304, 0.4171 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(199, 107, 0) }
```

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

```
.border{ border-color:rgb(199, 107, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6575, 0.5304, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 107, 0) }
```

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

```
.background{ background-color: rgb(199,  
107, 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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