

Converting Colors

$Y_{xy}(21.9746, 0.4850, 0.3706)$

Have a look what the booklet for
Yxy(21.9746, 0.4850, 0.3706)
contains.

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Color

Yxy(22.0786, 0.4849, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	C46846
RGB	196, 104, 70
RGB Percent	77%, 41%, 27%
CMY	0.2314, 0.5921, 0.7256
CMYK	0.00, 0.47, 0.64, 0.23
HSL	16°, 52%, 52%
HSV	16°, 64%, 77%
XYZ	28.8181, 22.0786, 8.5343
YIQ	127.6320, 65.7460, 8.9300

Conversions

Conversions Part 2

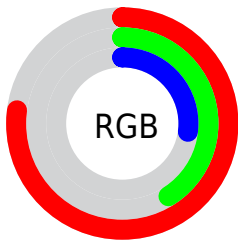
Format	Color
RYB	196, 117, 70
Decimal	12871750
CIELab	54.11, 33.70, 35.29
CIELCh	54, 48.796, 46.317
Yxy	22.0786, 0.4849, 0.3715
Android (android.graphics.Color)	4291061830 (0xFFC46846)
YUV	127.6320, -28.4126, 59.9587
Hunter-Lab	46.9879, 27.2468, 22.1228

Details

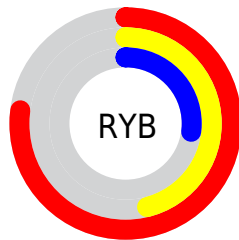
The Yxy color **22.0786, 0.4849, 0.3715** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **31.1120, 0.2240, 0.2744**, and the grayscale version is **21.5363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7059, 0.4465, 0.3683**, and **8.0226, 0.5460, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **19.2312, 0.5232, 0.3730**, and if you desaturate by 10%, it is **25.4977, 0.4478, 0.3671**.

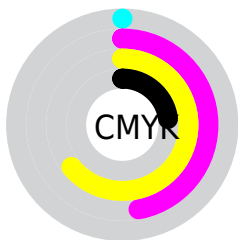
Distribution



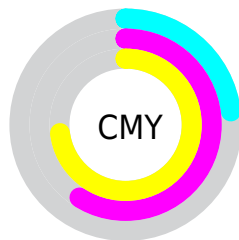
- Red (77%)
- Green (41%)
- Blue (27%)



- Red (77%)
- Yellow (46%)
- Blue (27%)



- Cyan (0%)
- Magenta (47%)
- Yellow (64%)
- Black (23%)





- Cyan (23%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0786, 0.4849, 0.3715 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 22.0786, 0.4849, 0.3715 by changing the saturation by 10% instead.


 22.0786, 0.4849,
0.3715


 22.0786, 0.4849,
0.3715


262.9565, 0.3890,
0.3547


 13.9147, 0.5111,
0.3726


 46.8759, 0.4481,
0.3673


 8.0613, 0.5451,
0.3712


 64.2780, 0.4348,
0.3651


 4.1342, 0.5945,
0.3666

 85.5283, 0.4238,
0.3630

 1.7489, 0.6552,
0.3448

 111.0112, 0.4146,
0.3610

 0.4550, 0.7446,
0.2554

 141.1111, 0.4067,
0.3592

 0.0000, 1.0000,
0.0000

176.2123, 0.4000,

 0.0000, 0.0000,

0.3576

0.0000

216.6993, 0.3941,
0.3561

■ 22.0786, 0.4849,
0.3715

■ 22.0786, 0.4849,
0.3715

■ 19.2312, 0.5232,
0.3730

■ 25.4977, 0.4478,
0.3671

■ 16.9190, 0.5594,
0.3705

■ 29.5150, 0.4140,
0.3608

■ 15.1067, 0.5896,
0.3636

■ 34.1595, 0.3843,
0.3535

■ 14.2741, 0.6039,
0.3587

■ 39.4571, 0.3589,
0.3461

■ 45.4322, 0.3375,
0.3388

■ 52.1081, 0.3195,
0.3318

■ 59.5068, 0.3044,
0.3254

■ 67.6493, 0.2918,
0.3195

■ 76.5560, 0.2811,
0.3141

Harmonies

Analogous

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



22.0786, 0.4543, 0.3103



22.0786, 0.4849, 0.3715



22.0786, 0.4608, 0.4333

Triad

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



22.0786, 0.4849, 0.3715



22.0786, 0.2398, 0.4210



22.0786, 0.2174, 0.2003

Complementary

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



22.0786, 0.4849, 0.3715



31.1120, 0.2240, 0.2744

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.



22.0786, 0.1768, 0.2090



22.0786, 0.4849, 0.3715



22.0786, 0.1864, 0.3251

Square

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



22.0786, 0.4849, 0.3715



22.0786, 0.3174, 0.4847



22.0786, 0.1661, 0.2491



22.0786, 0.2877, 0.2173

Rectangle

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



22.0786, 0.4849, 0.3715



22.0786, 0.4220, 0.4685



22.0786, 0.1661, 0.2491



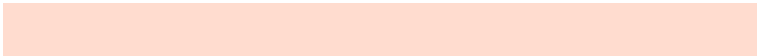
22.0786, 0.2005, 0.2001

Sweetspot

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



22.0798, 0.4849, 0.3715



76.7381, 0.3478, 0.3424



18.7349, 0.3640, 0.2164



15.7633, 0.3541, 0.3445



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.



22.0798, 0.4849, 0.3715



33.0899, 0.5379, 0.3725



39.6625, 0.4238, 0.4470



10.5106, 0.3282, 0.3353



9.2968, 0.6015, 0.3606



0.5202, 0.5561, 0.3967

Inverse Universe

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



31.1120, 0.2240, 0.2744



50.3663, 0.2116, 0.2603



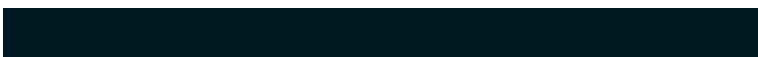
14.2833, 0.1990, 0.1674



10.9534, 0.2984, 0.3226



15.3446, 0.2000, 0.2398



0.7721, 0.2061, 0.2620

Previews

White Background



This preview shows how the Yxy color 22.0786, 0.4849, 0.3715 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 22.0786, 0.4849, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

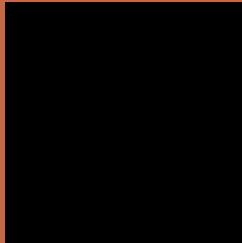
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0786, 0.4849, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 22.0786, 0.4849, 0.3715.



This preview shows how white text looks on a background with the Yxy color 22.0786, 0.4849, 0.3715.

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

22.0786, 0.4849, 0.3715

Protanopia

22.2806, 0.3845, 0.4169

Deuteranopia

22.2822, 0.4262, 0.4186



Tritanopia

21.9701, 0.4425, 0.3203

Trichromacy



Original Color

22.0786, 0.4849, 0.3715

Protanomaly

21.8779, 0.4207, 0.3995

Deuteranomaly

22.0121, 0.4484, 0.4011

Tritanomaly

21.9680, 0.4587, 0.3398

Monochromacy



Original Color

22.0786, 0.4849, 0.3715

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.0275, 0.3719, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0786, 0.4849, 0.3715 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(196, 104, 70)` looks like.

```
.text, #text, p{  
    color:rgb(196, 104, 70)  
}
```

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(196, 104, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 104, 70) }
```

Border

The CSS property to change the border of an element to Yxy 22.0786, 0.4849, 0.3715 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(196, 104, 70) }
```

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

```
.border{ border-color:rgb(196, 104, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 104, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 104, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 104, 70);  
box-shadow:4px 4px 4px 4px rgb(196, 104,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0786, 0.4849, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 104, 70) }
```

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

```
.background{ background-color: rgb(196,  
104, 70) }
```

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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