

Converting Colors

$Y_{xy}(27.5268, 0.4689, 0.4132)$

Have a look what the booklet for
Yxy(27.5268, 0.4689, 0.4132)
contains.

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Color

Yxy(27.4899, 0.4699, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	C4803B
RGB	196, 128, 59
RGB Percent	77%, 50%, 23%
CMY	0.2313, 0.4981, 0.7686
CMYK	0.00, 0.35, 0.70, 0.23
HSL	30°, 54%, 50%
HSV	30°, 70%, 77%
XYZ	31.2772, 27.4899, 7.7944
YIQ	140.4660, 62.6770, -7.0430

Conversions

Conversions Part 2

Format	Color
RYB	194, 196, 59
Decimal	12877883
CIELab	59.43, 20.09, 47.00
CIELCh	59, 51.113, 66.857
Yxy	27.4899, 0.4699, 0.4130
Android (android.graphics.Color)	4291067963 (0xFFC4803B)
YUV	140.4660, -40.1627, 48.7033
Hunter-Lab	52.4308, 14.7291, 27.8875

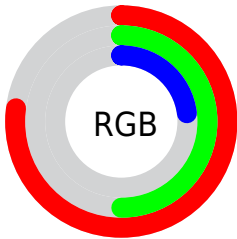
Details

The Yxy color **27.4899, 0.4699, 0.4130** is a dark color, and the websafe version is hex **996600**.

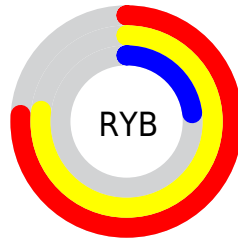
The color can be described as dark muted orange. A complement of this color would be **20.0997, 0.2048, 0.2126**, and the grayscale version is **26.5584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4119, 0.4389, 0.4018**, and **11.0062, 0.5141, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **24.9067, 0.4962, 0.4168**, and if you desaturate by 10%, it is **30.3957, 0.4426, 0.4050**.

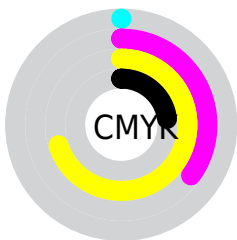
Distribution



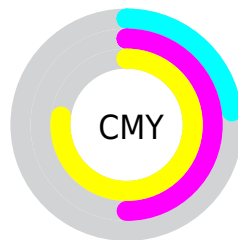
- Red (77%)
- Green (50%)
- Blue (23%)



- Red (76%)
- Yellow (77%)
- Blue (23%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (23%)





- Cyan (23%)
- Magenta (50%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4899, 0.4699, 0.4130 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 27.4899, 0.4699, 0.4130 by changing the saturation by 10% instead.


 27.4899, 0.4699,
0.4130

 27.4899, 0.4699,
0.4130


290.0214, 0.3873,
0.3749


 17.9415, 0.4900,
0.4194


 55.6690, 0.4398,
0.4010

 10.9080, 0.5145,
0.4248


 75.0685, 0.4284,
0.3959


 6.0050, 0.5498,
0.4315


 98.5205, 0.4188,
0.3913

 2.8481, 0.5793,
0.4207

 126.4093, 0.4106,
0.3872

 1.0530, 0.6116,
0.3884

 159.1194, 0.4036,
0.3836

 0.0000, 1.0000,
0.0000

 197.0352, 0.3974,

 0.0000, 0.0000,

0.3804

0.0000

240.5411, 0.3920,
0.3775

■ 27.4899, 0.4699,
0.4130

■ 27.4899, 0.4699,
0.4130

■ 24.9067, 0.4962,
0.4168

■ 30.3957, 0.4426,
0.4050

■ 22.6261, 0.5198,
0.4154

■ 33.6341, 0.4158,
0.3941

■ 20.6251, 0.5401,
0.4093

■ 37.2196, 0.3906,
0.3814

■ 20.6069, 0.5403,
0.4092

■ 41.1643, 0.3675,
0.3679

■ 45.4795, 0.3469,
0.3544

■ 50.1761, 0.3286,
0.3413

■ 55.2644, 0.3126,
0.3289

■ 60.7542, 0.2986,
0.3173

■ 66.6549, 0.2864,
0.3066

Harmonies

Analogous

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



27.4899, 0.4772, 0.3518



27.4899, 0.4699, 0.4130



27.4899, 0.4187, 0.4662

Triad

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



27.4899, 0.4699, 0.4130



27.4899, 0.2025, 0.3545



27.4899, 0.2640, 0.2119

Complementary

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



27.4899, 0.4699, 0.4130



20.0997, 0.2048, 0.2126

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.



27.4899, 0.2038, 0.2028



27.4899, 0.4699, 0.4130



27.4899, 0.1721, 0.2710

Square

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



27.4899, 0.4699, 0.4130



27.4899, 0.2641, 0.4438



27.4899, 0.1732, 0.2206



27.4899, 0.3476, 0.2439

Rectangle

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



27.4899, 0.4699, 0.4130



27.4899, 0.3699, 0.4854



27.4899, 0.1732, 0.2206



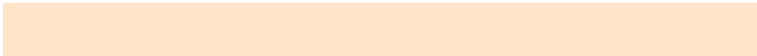
27.4899, 0.2407, 0.2062

Sweetspot

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



27.4913, 0.4699, 0.4130



81.2142, 0.3497, 0.3563



16.4114, 0.4238, 0.2466



16.9051, 0.3553, 0.3601



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.



27.4913, 0.4699, 0.4130



42.8073, 0.5094, 0.4167



51.5426, 0.4060, 0.4833



10.8973, 0.3277, 0.3406



13.4104, 0.5381, 0.4109



0.7173, 0.5048, 0.4374

Inverse Universe

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



20.0997, 0.2048, 0.2126



28.5972, 0.1878, 0.1826



8.0435, 0.1791, 0.1080



10.5554, 0.2984, 0.3171



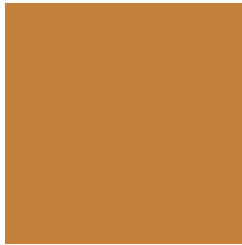
8.2620, 0.1773, 0.1583



0.4949, 0.1887, 0.1992

Previews

White Background



This preview shows how the Yxy color 27.4899, 0.4699, 0.4130 looks on a white background.

Color Contrast Check

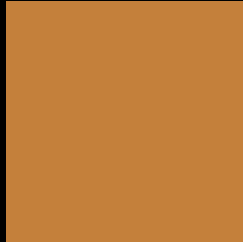
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4899, 0.4699, 0.4130 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 27.4899, 0.4699, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 27.4899, 0.4699, 0.4130.



This preview shows how white text looks on a background with the Yxy color 27.4899, 0.4699, 0.4130.

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

27.4899, 0.4699, 0.4130

Protanopia

27.6876, 0.4080, 0.4484

Deuteranopia

27.4874, 0.4443, 0.4341



Tritanopia

27.2973, 0.4011, 0.3174

Trichromacy



Original Color

27.4899, 0.4699, 0.4130

Protanomaly

27.2954, 0.4304, 0.4355

Deuteranomaly

27.3948, 0.4534, 0.4260

Tritanomaly

27.3075, 0.4300, 0.3544

Monochromacy



Original Color

27.4899, 0.4699, 0.4130

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.2296, 0.3680, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4899, 0.4699, 0.4130 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, 128, 59)` looks like.

```
.text, #text, p{  
    color:rgb(196, 128, 59)  
}
```

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, 128, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 128, 59) }
```

Border

The CSS property to change the border of an element to Yxy 27.4899, 0.4699, 0.4130 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, 128, 59) }
```

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

```
.border{ border-color:rgb(196, 128, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 128, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 128, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 128, 59);  
box-shadow:4px 4px 4px 4px rgb(196, 128,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4899, 0.4699, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 128, 59) }
```

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

```
.background{ background-color: rgb(196,  
128, 59) }
```

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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