

Converting Colors

$Y_{xy}(28.4856, 0.4488, 0.3885)$

Have a look what the booklet for
Yxy(28.4856, 0.4488, 0.3885)
contains.

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Color

Yxy(28.4672, 0.4493, 0.3880)

Conversions

Conversions Part 1

Format	Color
Hex	C78153
RGB	199, 129, 83
RGB Percent	78%, 51%, 33%
CMY	0.2196, 0.4941, 0.6746
CMYK	0.00, 0.35, 0.58, 0.22
HSL	24°, 51%, 55%
HSV	24°, 58%, 78%
XYZ	32.9647, 28.4672, 11.9371
YIQ	144.6860, 56.4860, 0.5340

Conversions

Conversions Part 2

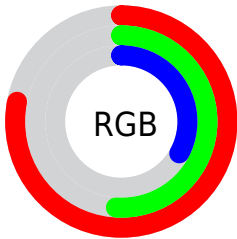
Format	Color
R_{YB}	199, 159, 83
Decimal	13074771
CIE Lab	60.31, 22.38, 35.84
CIE LCh	60, 42.258, 58.020
Yxy	28.4672, 0.4493, 0.3880
Android (android.graphics.Color)	4291264851 (0xFFC78153)
YUV	144.6860, -30.4112, 47.6334
Hunter-Lab	53.3547, 16.9140, 24.0832

Details

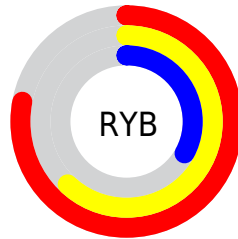
The Yxy color **28.4672, 0.4493, 0.3880** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **28.7376, 0.2251, 0.2560**, and the grayscale version is **28.2901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4094, 0.4191, 0.3801**, and **11.3821, 0.4929, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **25.2246, 0.4815, 0.3941**, and if you desaturate by 10%, it is **32.1725, 0.4187, 0.3792**.

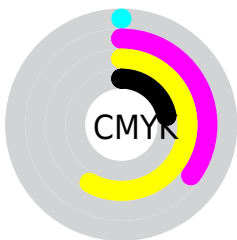
Distribution



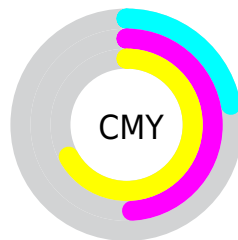
- Red (78%)
- Green (51%)
- Blue (33%)



- Red (78%)
- Yellow (62%)
- Blue (33%)



- Cyan (0%)
- Magenta (35%)
- Yellow (58%)
- Black (22%)





- Cyan (22%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4672, 0.4493, 0.3880 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 28.4672, 0.4493, 0.3880 by changing the saturation by 10% instead.


 28.4672, 0.4493,
0.3880


 28.4672, 0.4493,
0.3880


294.6927, 0.3760,
0.3608


 18.6781, 0.4684,
0.3931


 57.2295, 0.4218,
0.3791


 11.4379, 0.4931,
0.3981


 76.9715, 0.4117,
0.3755

 6.3622, 0.5251,
0.4017


 100.8000, 0.4033,
0.3722

 3.0666, 0.5867,
0.4133

 129.0993, 0.3962,
0.3694

 1.1666, 0.6200,
0.3800

 162.2538, 0.3900,
0.3668

 0.0342, 0.9443,
0.0557

200.6479, 0.3848,

 0.0000, 0.0000,

0.3646

0.0000

244.6661, 0.3801,
0.3626

■ 28.4672, 0.4493,
0.3880

■ 28.4672, 0.4493,
0.3880

■ 25.2246, 0.4815,
0.3941

■ 32.1725, 0.4187,
0.3792

■ 22.4199, 0.5135,
0.3964

■ 36.3554, 0.3909,
0.3690

■ 20.0318, 0.5428,
0.3936

■ 41.0349, 0.3662,
0.3582

■ 18.0318, 0.5674,
0.3859

■ 46.2281, 0.3447,
0.3475

■ 17.7258, 0.5714,
0.3845

■ 51.9507, 0.3261,
0.3371

■ 58.2180, 0.3102,
0.3274

■ 65.0446, 0.2965,
0.3184

■ 72.4444, 0.2849,
0.3101

■ 79.9662, 0.2786,
0.3098

Harmonies

Analogous

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



28.4672, 0.4405, 0.3357



28.4672, 0.4493, 0.3880



28.4672, 0.4180, 0.4340

Triad

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



28.4672, 0.4493, 0.3880



28.4672, 0.2346, 0.3728



28.4672, 0.2555, 0.2254

Complementary

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



28.4672, 0.4493, 0.3880



28.7376, 0.2251, 0.2560

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.



28.4672, 0.2109, 0.2248



28.4672, 0.4493, 0.3880



28.4672, 0.1994, 0.3010

Square

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



28.4672, 0.4493, 0.3880



28.4672, 0.2930, 0.4358



28.4672, 0.1917, 0.2492



28.4672, 0.3208, 0.2475

Rectangle

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



28.4672, 0.4493, 0.3880



28.4672, 0.3814, 0.4532



28.4672, 0.1917, 0.2492



28.4672, 0.2379, 0.2227

Sweetspot

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



28.4686, 0.4493, 0.3880



81.9493, 0.3426, 0.3464



20.6770, 0.3769, 0.2397



17.1236, 0.3467, 0.3485



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.



28.4686, 0.4493, 0.3880



42.7520, 0.4903, 0.3952



47.6601, 0.4040, 0.4524



11.3158, 0.3280, 0.3382



11.5583, 0.5690, 0.3864



0.6881, 0.5308, 0.4168

Inverse Universe

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



28.7376, 0.2251, 0.2560



43.1381, 0.2098, 0.2366



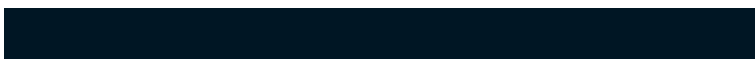
14.4225, 0.2048, 0.1632



11.3341, 0.2984, 0.3196



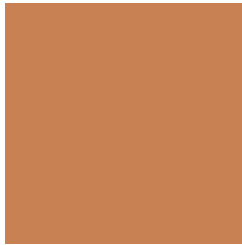
11.4735, 0.1875, 0.1948



0.6819, 0.1961, 0.2258

Previews

White Background



This preview shows how the Yxy color 28.4672, 0.4493, 0.3880 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 28.4672, 0.4493, 0.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

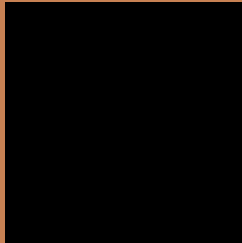
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4672, 0.4493, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 28.4672, 0.4493, 0.3880.



This preview shows how white text looks on a background with the Yxy color 28.4672, 0.4493, 0.3880.

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

28.4672, 0.4493, 0.3880

Protanopia

28.6500, 0.3844, 0.4175

Deuteranopia

28.5243, 0.4192, 0.4113



Tritanopia

28.5284, 0.3993, 0.3175

Trichromacy



Original Color

28.4672, 0.4493, 0.3880

Protanomaly

28.4430, 0.4079, 0.4063

Deuteranomaly

28.3762, 0.4307, 0.4015

Tritanomaly

28.4387, 0.4197, 0.3437

Monochromacy



Original Color

28.4672, 0.4493, 0.3880

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.8697, 0.3603, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4672, 0.4493, 0.3880 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, 129, 83)` looks like.

```
.text, #text, p{  
    color:rgb(199, 129, 83)  
}
```

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, 129, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 129, 83) }
```

Border

The CSS property to change the border of an element to Yxy 28.4672, 0.4493, 0.3880 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, 129, 83) }
```

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

```
.border{ border-color:rgb(199, 129, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 129, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 129, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 129, 83);  
box-shadow:4px 4px 4px 4px rgb(199, 129,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4672, 0.4493, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 129, 83) }
```

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

```
.background{ background-color: rgb(199,  
129, 83) }
```

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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