

Converting Colors

$Y_{xy}(28.2501, 0.4556, 0.3998)$

Have a look what the booklet for
Yxy(28.2501, 0.4556, 0.3998)
contains.

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Color

$\text{Yxy}(28.3300, 0.4553, 0.4000)$

Conversions

Conversions Part 1

Format	Color
Hex	C5824A
RGB	197, 130, 74
RGB Percent	77%, 51%, 29%
CMY	0.2274, 0.4902, 0.7098
CMYK	0.00, 0.34, 0.62, 0.23
HSL	27°, 51%, 53%
HSV	27°, 62%, 77%
XYZ	32.2466, 28.3300, 10.2484
YIQ	143.6490, 57.9080, -3.2120

Conversions

Conversions Part 2

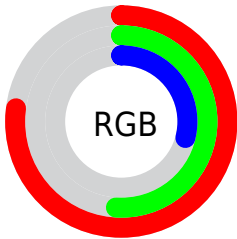
Format	Color
R _Y B	197, 177, 74
Decimal	12943946
CIE Lab	60.19, 20.34, 40.38
CIE LCh	60, 45.212, 63.264
Yxy	28.3300, 0.4553, 0.4000
Android (android.graphics.Color)	4291134026 (0xFFC5824A)
YUV	143.6490, -34.3370, 46.7888
Hunter-Lab	53.2259, 14.9978, 25.8422

Details

The Yxy color **28.3300, 0.4553, 0.4000** 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 **24.5425, 0.2170, 0.2375**, and the grayscale version is **27.8656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5822, 0.4259, 0.3899**, and **11.3009, 0.4994, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **25.3982, 0.4848, 0.4060**, and if you desaturate by 10%, it is **31.6456, 0.4263, 0.3908**.

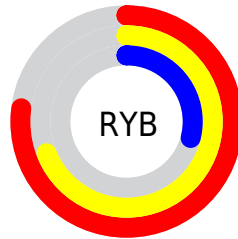
Distribution



Red (77%)

Green (51%)

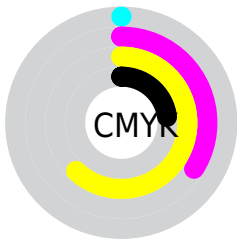
Blue (29%)



Red (77%)

Yellow (69%)

Blue (29%)

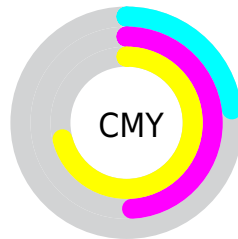


Cyan (0%)

Magenta (34%)

Yellow (62%)

Black (23%)



Cyan (23%)


Magenta (49%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3300, 0.4553, 0.4000 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 28.3300, 0.4553, 0.4000 by changing the saturation by 10% instead.


 28.3300, 0.4553,
0.4000


 28.3300, 0.4553,
0.4000


294.0404, 0.3795,
0.3671


 18.5746, 0.4746,
0.4061


 57.0109, 0.4272,
0.3893

 11.3633, 0.4989,
0.4121


 76.7051, 0.4167,
0.3848

 6.3117, 0.5298,
0.4164


 100.4811, 0.4080,
0.3809

 3.0355, 0.5786,
0.4214

 128.7231, 0.4005,
0.3775

 1.1503, 0.6098,
0.3902

 161.8157, 0.3942,
0.3744

 0.0206, 0.9617,
0.0383

200.1432, 0.3886,

 0.0000, 0.0000,

0.3717

0.0000

244.0900, 0.3838,
0.3693

■ 28.3300, 0.4553,
0.4000

■ 28.3300, 0.4553,
0.4000

■ 25.3982, 0.4848,
0.4060

■ 31.6456, 0.4263,
0.3908

■ 22.8289, 0.5131,
0.4075

■ 35.3565, 0.3991,
0.3796

■ 20.6042, 0.5380,
0.4036

■ 39.4787, 0.3744,
0.3675

■ 19.1303, 0.5545,
0.3979

■ 44.0259, 0.3524,
0.3551

■ 49.0113, 0.3332,
0.3431

■ 54.4471, 0.3164,
0.3317

■ 60.3451, 0.3019,
0.3210

■ 66.7168, 0.2894,
0.3111

■ 73.5731, 0.2786,
0.3021

Harmonies

Analogous

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



28.3300, 0.4546, 0.3449



28.3300, 0.4553, 0.4000



28.3300, 0.4151, 0.4472

Triad

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



28.3300, 0.4553, 0.4000



28.3300, 0.2207, 0.3618



28.3300, 0.2623, 0.2218

Complementary

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



28.3300, 0.4553, 0.4000



24.5425, 0.2170, 0.2375

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.



28.3300, 0.2109, 0.2167



28.3300, 0.4553, 0.4000



28.3300, 0.1888, 0.2867

Square

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



28.3300, 0.4553, 0.4000



28.3300, 0.2790, 0.4351



28.3300, 0.1860, 0.2371



28.3300, 0.3346, 0.2486

Rectangle

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



28.3300, 0.4553, 0.4000



28.3300, 0.3735, 0.4647



28.3300, 0.1860, 0.2371



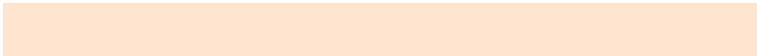
28.3300, 0.2424, 0.2175

Sweetspot

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



28.3314, 0.4553, 0.4000



81.5635, 0.3461, 0.3513



18.7129, 0.3964, 0.2446



16.9193, 0.3520, 0.3548



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.



28.3314, 0.4553, 0.4000



43.6996, 0.4956, 0.4071



49.5661, 0.4036, 0.4666



11.4190, 0.3278, 0.3396



12.7443, 0.5523, 0.3996



0.7478, 0.5177, 0.4272

Inverse Universe

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



24.5425, 0.2170, 0.2375



36.2845, 0.2005, 0.2131



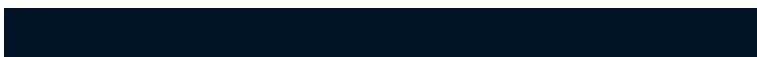
11.2483, 0.1944, 0.1385



11.2289, 0.2983, 0.3182



9.7810, 0.1818, 0.1744



0.6066, 0.1916, 0.2096

Previews

White Background



This preview shows how the Yxy color 28.3300, 0.4553, 0.4000 looks on a white background.

Color Contrast Check

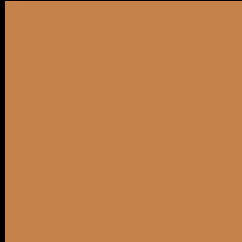
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3300, 0.4553, 0.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

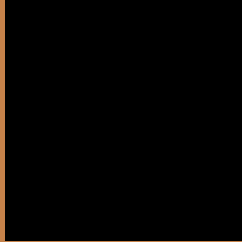
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3300, 0.4553, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 28.3300, 0.4553, 0.4000.



This preview shows how white text looks on a background with the Yxy color 28.3300, 0.4553, 0.4000.

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

28.3300, 0.4553, 0.4000

Protanopia

28.5959, 0.3949, 0.4312

Deuteranopia

28.5168, 0.4288, 0.4217



Tritanopia

28.2494, 0.3970, 0.3174

Trichromacy



Original Color

28.3300, 0.4553, 0.4000

Protanomaly

28.1762, 0.4165, 0.4198

Deuteranomaly

28.5285, 0.4385, 0.4135

Tritanomaly

28.3488, 0.4205, 0.3491

Monochromacy



Original Color

28.3300, 0.4553, 0.4000

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.5837, 0.3613, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3300, 0.4553, 0.4000 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(197, 130, 74)` looks like.

```
.text, #text, p{  
    color:rgb(197, 130, 74)  
}
```

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(197, 130, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 130, 74) }
```

Border

The CSS property to change the border of an element to Yxy 28.3300, 0.4553, 0.4000 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(197, 130, 74) }
```

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

```
.border{ border-color:rgb(197, 130, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 130, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 130, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 130, 74);  
box-shadow:4px 4px 4px 4px rgb(197, 130,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3300, 0.4553, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 130, 74) }
```

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

```
.background{ background-color: rgb(197,  
130, 74) }
```

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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