

Converting Colors

$Y_{xy}(28.5873, 0.4892, 0.4249)$

Have a look what the booklet for
Yxy(28.5873, 0.4892, 0.4249)
contains.

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Color

Yxy(28.5502, 0.4890, 0.4249)

Conversions

Conversions Part 1

Format	Color
Hex	CB8128
RGB	203, 129, 40
RGB Percent	80%, 51%, 16%
CMY	0.2040, 0.4940, 0.8432
CMYK	0.00, 0.36, 0.80, 0.20
HSL	33°, 67%, 48%
HSV	33°, 80%, 80%
XYZ	32.8573, 28.5502, 5.7853
YIQ	140.9800, 72.6730, -11.9910

Conversions

Conversions Part 2

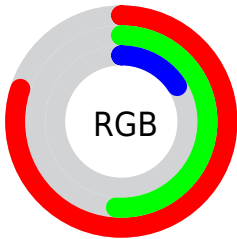
Format	Color
R _Y B	176, 203, 40
Decimal	13336872
CIE Lab	60.38, 21.68, 56.51
CIE LCh	60, 60.522, 69.010
Yxy	28.5502, 0.4890, 0.4249
Android (android.graphics.Color)	4291526952 (0xFFCB8128)
YUV	140.9800, -49.7831, 54.3915
Hunter-Lab	53.4324, 16.2586, 30.9832

Details

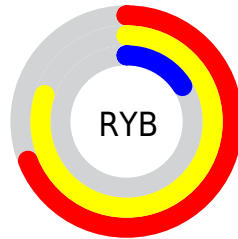
The Yxy color **28.5502, 0.4890, 0.4249** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.7849, 0.1894, 0.1800**, and the grayscale version is **26.8060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4886, 0.4501, 0.4170**, and **11.4316, 0.5228, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **26.1294, 0.5104, 0.4242**, and if you desaturate by 10%, it is **31.2652, 0.4649, 0.4205**.

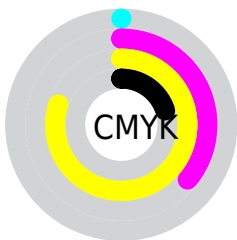
Distribution



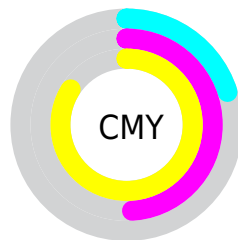
- Red (80%)
- Green (51%)
- Blue (16%)



- Red (69%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (36%)
- Yellow (80%)
- Black (20%)





- Cyan (20%)
- Magenta (49%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5502, 0.4890, 0.4249 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 28.5502, 0.4890, 0.4249 by changing the saturation by 10% instead.


 28.5502, 0.4890,
0.4249


 28.5502, 0.4890,
0.4249


295.0867, 0.3992,
0.3842

 18.7408, 0.5090,
0.4302


 57.3617, 0.4575,
0.4132


 11.4832, 0.5321,
0.4333


 77.1326, 0.4452,
0.4078


 6.3928, 0.5642,
0.4358


 100.9927, 0.4346,
0.4028

 3.0854, 0.5836,
0.4164

 129.3266, 0.4255,
0.3983

 1.1765, 0.6160,
0.3840

 162.5185, 0.4176,
0.3942

 0.0424, 0.9308,
0.0692

 200.9529, 0.4107,

 0.0000, 0.0000,

0.3905

0.0000

245.0142, 0.4046,
0.3872

■ 28.5502, 0.4890,
0.4249

■ 28.5502, 0.4890,
0.4249

■ 26.1294, 0.5104,
0.4242

■ 31.2652, 0.4649,
0.4205

■ 24.0341, 0.5280,
0.4189

■ 34.2855, 0.4395,
0.4117

■ 37.6262, 0.4141,
0.3999

■ 41.2999, 0.3900,
0.3863

■ 45.3183, 0.3676,
0.3718

■ 49.6921, 0.3473,
0.3571

■ 54.4317, 0.3292,
0.3429

■ 59.5469, 0.3132,
0.3294

■ 65.0469, 0.2991,
0.3167

Harmonies

Analogous

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



28.5502, 0.5049, 0.3559



28.5502, 0.4890, 0.4249



28.5502, 0.4251, 0.4883

Triad

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



28.5502, 0.4890, 0.4249



28.5502, 0.1820, 0.3494



28.5502, 0.2618, 0.1984

Complementary

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



28.5502, 0.4890, 0.4249



16.7849, 0.1894, 0.1800

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.



28.5502, 0.1923, 0.1858



28.5502, 0.4890, 0.4249



28.5502, 0.1522, 0.2543

Square

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



28.5502, 0.4890, 0.4249



28.5502, 0.2484, 0.4598



28.5502, 0.1564, 0.2019



28.5502, 0.3598, 0.2354

Rectangle

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



28.5502, 0.4890, 0.4249



28.5502, 0.3681, 0.5125



28.5502, 0.1564, 0.2019



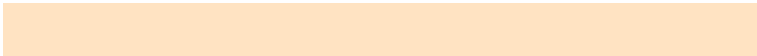
28.5502, 0.2349, 0.1913

Sweetspot

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



28.5517, 0.4890, 0.4249



80.2095, 0.3552, 0.3630



15.4724, 0.4600, 0.2494



16.6059, 0.3626, 0.3683



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.



28.5517, 0.4890, 0.4249



41.2033, 0.5230, 0.4204



54.7983, 0.4085, 0.4985



12.2122, 0.3277, 0.3417



15.4832, 0.5261, 0.4204



0.9492, 0.4998, 0.4414

Inverse Universe

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



16.7849, 0.1894, 0.1800



21.0298, 0.1747, 0.1466



6.3952, 0.1661, 0.0841



11.6685, 0.2983, 0.3160



7.8051, 0.1734, 0.1441



0.5536, 0.1838, 0.1818

Previews

White Background



This preview shows how the Yxy color 28.5502, 0.4890, 0.4249 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 28.5502, 0.4890, 0.4249 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 28.5502, 0.4890, 0.4249

Background



This preview shows how black text looks on a background with the Yxy color 28.5502, 0.4890, 0.4249.



This preview shows how white text looks on a background with the Yxy color 28.5502, 0.4890, 0.4249.

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

28.5502, 0.4890, 0.4249

Protanopia

28.6321, 0.4255, 0.4678

Deuteranopia

28.7830, 0.4597, 0.4513



Tritanopia

28.6696, 0.4097, 0.3191

Trichromacy



Original Color

28.5502, 0.4890, 0.4249

Protanomaly

28.3956, 0.4483, 0.4518

Deuteranomaly

28.5379, 0.4713, 0.4413

Tritanomaly

28.4002, 0.4454, 0.3633

Monochromacy



Original Color

28.5502, 0.4890, 0.4249

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7833, 0.3801, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5502, 0.4890, 0.4249 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(203, 129, 40)` looks like.

```
.text, #text, p{  
    color:rgb(203, 129, 40)  
}
```

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(203, 129, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 129, 40) }
```

Border

The CSS property to change the border of an element to Yxy 28.5502, 0.4890, 0.4249 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(203, 129, 40) }
```

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

```
.border{ border-color:rgb(203, 129, 40) }
```

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

Here you see how a box with a 4 pixel rgb(203, 129, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 129, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 129, 40);  
box-shadow:4px 4px 4px 4px rgb(203, 129,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5502, 0.4890, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 129, 40) }
```

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

```
.background{ background-color: rgb(203,  
129, 40) }
```

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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