

Converting Colors

$Y_{xy}(28.9102, 0.4402, 0.3893)$

Have a look what the booklet for
Yxy(28.9102, 0.4402, 0.3893)
contains.

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Color

Yxy(28.9102, 0.4402, 0.3893)

Conversions

Conversions Part 1

Format	Color
Hex	C48456
RGB	196, 132, 86
RGB Percent	77%, 52%, 34%
CMY	0.2315, 0.4823, 0.6627
CMYK	0.00, 0.33, 0.56, 0.23
HSL	25°, 48%, 55%
HSV	25°, 56%, 77%
XYZ	32.6901, 28.9102, 12.6617
YIQ	145.8920, 52.9100, -0.7380

Conversions

Conversions Part 2

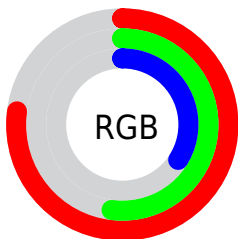
Format	Color
R_{YB}	196, 165, 86
Decimal	12878934
CIE _{Lab}	60.70, 19.70, 34.62
CIE _{LCh}	61, 39.839, 60.356
Yxy	28.9102, 0.4402, 0.3893
Android (android.graphics.Color)	4291069014 (0xFFC48456)
YUV	145.8920, -29.5268, 43.9447
Hunter-Lab	53.7682, 14.4305, 23.6758

Details

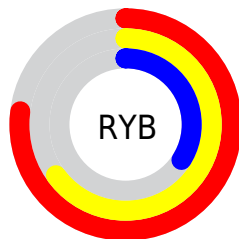
The Yxy color **28.9102, 0.4402, 0.3893** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **27.7600, 0.2272, 0.2553**, and the grayscale version is **28.8058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7641, 0.4142, 0.3791**, and **11.6700, 0.4816, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **25.7134, 0.4712, 0.3966**, and if you desaturate by 10%, it is **32.5342, 0.4110, 0.3796**.

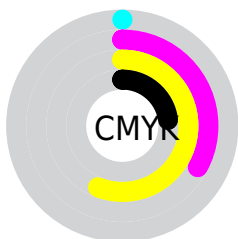
Distribution



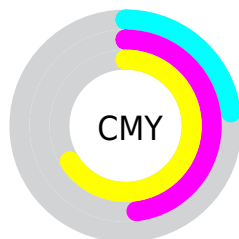
- Red (77%)
- Green (52%)
- Blue (34%)



- Red (77%)
- Yellow (65%)
- Blue (34%)



- Cyan (0%)
- Magenta (33%)
- Yellow (56%)
- Black (23%)





- Cyan (23%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9102, 0.4402, 0.3893 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 28.9102, 0.4402, 0.3893 by changing the saturation by 10% instead.


 28.9102, 0.4402,
0.3893


 28.9102, 0.4402,
0.3893


296.7910, 0.3719,
0.3608

 19.0129, 0.4581,
0.3950


 57.9344, 0.4146,
0.3797


 11.6796, 0.4812,
0.4012


 77.8300, 0.4052,
0.3759

 6.5259, 0.5114,
0.4066


 101.8273, 0.3973,
0.3725

 3.1674, 0.5691,
0.4210

 130.3105, 0.3907,
0.3696

 1.2198, 0.6043,
0.3957

 163.6641, 0.3850,
0.3670

 0.0777, 0.8771,
0.1229

202.2725, 0.3800,

 0.0000, 0.0000,

0.3647

0.0000

246.5200, 0.3757,
0.3626

■ 28.9102, 0.4402,
0.3893

■ 28.9102, 0.4402,
0.3893

■ 25.7134, 0.4712,
0.3966

■ 32.5342, 0.4110,
0.3796

■ 22.9213, 0.5023,
0.4003

■ 36.5978, 0.3844,
0.3686

■ 20.5157, 0.5314,
0.3992

■ 41.1181, 0.3608,
0.3572

■ 18.4737, 0.5561,
0.3927

■ 46.1101, 0.3402,
0.3460

■ 17.7673, 0.5651,
0.3895

■ 51.5877, 0.3224,
0.3353

■ 57.5644, 0.3070,
0.3252

■ 64.0532, 0.2938,
0.3158

■ 71.0664, 0.2825,
0.3073

■ 78.1318, 0.2766,
0.3070

Harmonies

Analogous

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



28.9102, 0.4347, 0.3399



28.9102, 0.4402, 0.3893



28.9102, 0.4088, 0.4311

Triad

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



28.9102, 0.4402, 0.3893



28.9102, 0.2359, 0.3648



28.9102, 0.2632, 0.2319

Complementary

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



28.9102, 0.4402, 0.3893



27.7600, 0.2272, 0.2553

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.



28.9102, 0.2189, 0.2298



28.9102, 0.4402, 0.3893



28.9102, 0.2041, 0.2986

Square

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



28.9102, 0.4402, 0.3893



28.9102, 0.2898, 0.4250



28.9102, 0.1987, 0.2514



28.9102, 0.3258, 0.2543

Rectangle

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



28.9102, 0.4402, 0.3893



28.9102, 0.3735, 0.4468



28.9102, 0.1987, 0.2514



28.9102, 0.2459, 0.2287

Sweetspot

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



28.9116, 0.4402, 0.3893



82.4730, 0.3424, 0.3473



20.5945, 0.3788, 0.2469



17.2468, 0.3465, 0.3496



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.



28.9116, 0.4402, 0.3893



45.5605, 0.4772, 0.3977



47.8617, 0.3984, 0.4522



10.7550, 0.3279, 0.3387



11.5821, 0.5627, 0.3914



0.6365, 0.5231, 0.4229

Inverse Universe

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



27.7600, 0.2272, 0.2553



43.1873, 0.2120, 0.2362



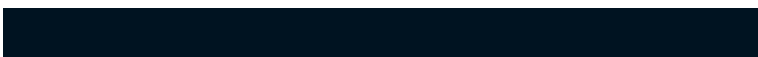
14.1772, 0.2080, 0.1647



10.6991, 0.2984, 0.3191



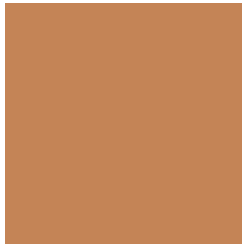
10.4640, 0.1854, 0.1874



0.5858, 0.1951, 0.2223

Previews

White Background



This preview shows how the Yxy color 28.9102, 0.4402, 0.3893 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 28.9102, 0.4402, 0.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

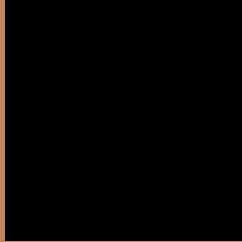
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9102, 0.4402, 0.3893

Background



This preview shows how black text looks on a background with the Yxy color 28.9102, 0.4402, 0.3893.



This preview shows how white text looks on a background with the Yxy color 28.9102, 0.4402, 0.3893.

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

28.9102, 0.4402, 0.3893

Protanopia

29.1137, 0.3821, 0.4141

Deuteranopia

28.9800, 0.4166, 0.4083



Tritanopia

28.9503, 0.3908, 0.3173

Trichromacy



Original Color

28.9102, 0.4402, 0.3893

Protanomaly

28.9684, 0.4023, 0.4053

Deuteranomaly

28.8615, 0.4249, 0.4008

Tritanomaly

28.8648, 0.4108, 0.3439

Monochromacy



Original Color

28.9102, 0.4402, 0.3893

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.3975, 0.3563, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9102, 0.4402, 0.3893 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, 132, 86)` looks like.

```
.text, #text, p{  
    color:rgb(196, 132, 86)  
}
```

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, 132, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 132, 86) }
```

Border

The CSS property to change the border of an element to Yxy 28.9102, 0.4402, 0.3893 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, 132, 86) }
```

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

```
.border{ border-color:rgb(196, 132, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 132, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 132, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 132, 86);  
box-shadow:4px 4px 4px 4px rgb(196, 132,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9102, 0.4402, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 132, 86) }
```

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

```
.background{ background-color: rgb(196,  
132, 86) }
```

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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