

Converting Colors

$Y_{xy}(28.9091, 0.4816, 0.3930)$

Have a look what the booklet for
Yxy(28.9091, 0.4816, 0.3930)
contains.

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Color

$\text{Yxy}(28.8297, 0.4823, 0.3928)$

Conversions

Conversions Part 1

Format	Color
Hex	D47C44
RGB	212, 124, 68
RGB Percent	83%, 49%, 27%
CMY	0.1687, 0.5137, 0.7333
CMYK	0.00, 0.41, 0.68, 0.17
HSL	23°, 63%, 55%
HSV	23°, 68%, 83%
XYZ	35.3986, 28.8297, 9.1671
YIQ	143.9280, 70.4240, 1.2400

Conversions

Conversions Part 2

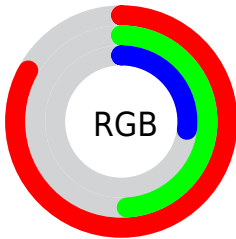
Format	Color
R_{YB}	212, 160, 68
Decimal	13925444
CIE _{Lab}	60.63, 29.43, 44.47
CIE _{LCh}	61, 53.323, 56.500
Yxy	28.8297, 0.4823, 0.3928
Android (android.graphics.Color)	4292115524 (0xFFD47C44)
YUV	143.9280, -37.4325, 59.6991
Hunter-Lab	53.6933, 23.7171, 27.4627

Details

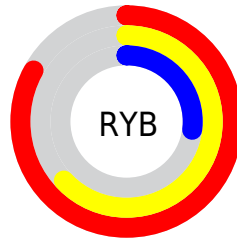
The Yxy color **28.8297, 0.4823, 0.3928** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **29.7457, 0.2134, 0.2428**, and the grayscale version is **27.9930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0123, 0.4345, 0.3896**, and **11.6200, 0.5318, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **25.5813, 0.5148, 0.3949**, and if you desaturate by 10%, it is **32.6010, 0.4496, 0.3868**.

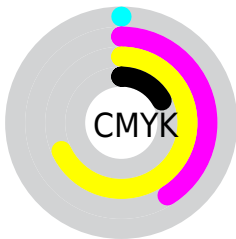
Distribution



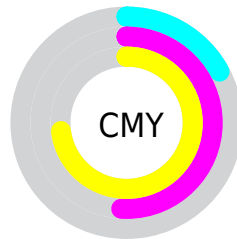
- Red (83%)
- Green (49%)
- Blue (27%)



- Red (83%)
- Yellow (63%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (68%)
- Black (17%)





- Cyan (17%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8297, 0.4823, 0.3928 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 28.8297, 0.4823, 0.3928 by changing the saturation by 10% instead.


 28.8297, 0.4823,
0.3928

 28.8297, 0.4823,
0.3928


296.4106, 0.3928,
0.3663


 18.9520, 0.5045,
0.3961


 57.8064, 0.4494,
0.3853


 11.6356, 0.5321,
0.3979


 77.6742, 0.4371,
0.3818


 6.4961, 0.5679,
0.3965


 101.6409, 0.4267,
0.3785

 3.1490, 0.6135,
0.3865

 130.0908, 0.4179,
0.3756

 1.2100, 0.6534,
0.3466

 163.4083, 0.4103,
0.3729

 0.0699, 0.9183,
0.0817

201.9778, 0.4037,

 0.0000, 0.0000,

0.3705

0.0000

246.1838, 0.3979,
0.3683

■ 28.8297, 0.4823,
0.3928

■ 28.8297, 0.4823,
0.3928

■ 25.5813, 0.5148,
0.3949

■ 32.6010, 0.4496,
0.3868

■ 22.8242, 0.5446,
0.3920

■ 36.9153, 0.4187,
0.3781

■ 20.5270, 0.5694,
0.3841

■ 41.7970, 0.3906,
0.3680

■ 20.1009, 0.5743,
0.3822

■ 47.2673, 0.3657,
0.3574

■ 53.3463, 0.3441,
0.3468

■ 60.0532, 0.3255,
0.3366

■ 67.4060, 0.3096,
0.3271

■ 75.4222, 0.2960,
0.3182

■ 83.8725, 0.2864,
0.3139

Harmonies

Analogous

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



28.8297, 0.4710, 0.3306



28.8297, 0.4823, 0.3928



28.8297, 0.4428, 0.4523

Triad

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



28.8297, 0.4823, 0.3928



28.8297, 0.2182, 0.3889



28.8297, 0.2382, 0.2034

Complementary

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



28.8297, 0.4823, 0.3928



29.7457, 0.2134, 0.2428

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.



28.8297, 0.1872, 0.2029



28.8297, 0.4823, 0.3928



28.8297, 0.1758, 0.2955

Square

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



28.8297, 0.4823, 0.3928



28.8297, 0.2896, 0.4701



28.8297, 0.1664, 0.2316



28.8297, 0.3170, 0.2284

Rectangle

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



28.8297, 0.4823, 0.3928



28.8297, 0.3976, 0.4816



28.8297, 0.1664, 0.2316



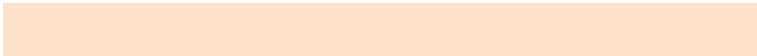
28.8297, 0.2178, 0.2003

Sweetspot

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



28.8312, 0.4823, 0.3928



78.8463, 0.3488, 0.3492



20.5553, 0.3931, 0.2290



16.3075, 0.3548, 0.3522



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.



28.8312, 0.4823, 0.3928



36.7008, 0.5300, 0.3942



53.5243, 0.4168, 0.4672



13.2053, 0.3281, 0.3381



12.5929, 0.5717, 0.3842



0.9179, 0.5397, 0.4097

Inverse Universe

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



29.7457, 0.2134, 0.2428



37.9341, 0.1987, 0.2202



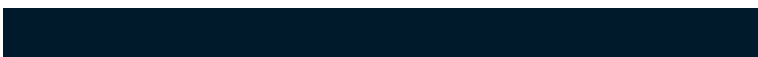
12.4462, 0.1867, 0.1328



13.2588, 0.2982, 0.3197



12.9115, 0.1881, 0.1970



0.9374, 0.1951, 0.2223

Previews

White Background



This preview shows how the Yxy color 28.8297, 0.4823, 0.3928 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 28.8297, 0.4823, 0.3928 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 28.8297, 0.4823, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 28.8297, 0.4823, 0.3928.



This preview shows how white text looks on a background with the Yxy color 28.8297, 0.4823, 0.3928.

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

28.8297, 0.4823, 0.3928

Protanopia

29.0568, 0.3999, 0.4368

Deuteranopia

29.0714, 0.4380, 0.4303



Tritanopia

28.6760, 0.4235, 0.3183

Trichromacy



Original Color

28.8297, 0.4823, 0.3928

Protanomaly

28.6364, 0.4299, 0.4213

Deuteranomaly

28.7693, 0.4552, 0.4161

Tritanomaly

28.7490, 0.4473, 0.3476

Monochromacy



Original Color

28.8297, 0.4823, 0.3928

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.5873, 0.3725, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8297, 0.4823, 0.3928 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(212, 124, 68)` looks like.

```
.text, #text, p{  
    color:rgb(212, 124, 68)  
}
```

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(212, 124, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 124, 68) }
```

Border

The CSS property to change the border of an element to Yxy 28.8297, 0.4823, 0.3928 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(212, 124, 68) }
```

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

```
.border{ border-color:rgb(212, 124, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 124, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 124, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 124, 68);  
box-shadow:4px 4px 4px 4px rgb(212, 124,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8297, 0.4823, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 124, 68) }
```

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

```
.background{ background-color: rgb(212,  
124, 68) }
```

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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