

Converting Colors

$Y_{xy}(28.5737, 0.5016, 0.4130)$

Have a look what the booklet for
Yxy(28.5737, 0.5016, 0.4130)
contains.

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Color

$\text{Yxy}(28.5795, 0.5023, 0.4128)$

Conversions

Conversions Part 1

Format	Color
Hex	D47C2A
RGB	212, 124, 42
RGB Percent	83%, 49%, 16%
CMY	0.1687, 0.5137, 0.8351
CMYK	0.00, 0.42, 0.80, 0.17
HSL	29°, 67%, 50%
HSV	29°, 80%, 83%
XYZ	34.7759, 28.5795, 5.8779
YIQ	140.9640, 78.7700, -6.8460

Conversions

Conversions Part 2

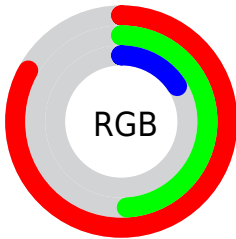
Format	Color
R _Y B	212, 200, 42
Decimal	13925418
CIE Lab	60.41, 28.27, 56.15
CIE LCh	60, 62.865, 63.278
Yxy	28.5795, 0.5023, 0.4128
Android (android.graphics.Color)	4292115498 (0xFFD47C2A)
YUV	140.9640, -48.7893, 62.2986
Hunter-Lab	53.4598, 22.5605, 30.9029

Details

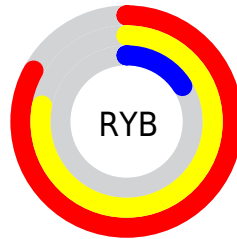
The Yxy color **28.5795, 0.5023, 0.4128** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **21.2185, 0.1940, 0.1977**, and the grayscale version is **26.7959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5124, 0.4527, 0.4107**, and **11.4769, 0.5413, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **25.8674, 0.5268, 0.4106**, and if you desaturate by 10%, it is **31.6810, 0.4749, 0.4098**.

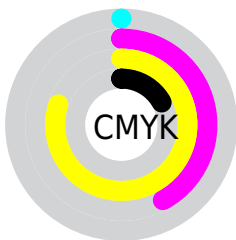
Distribution



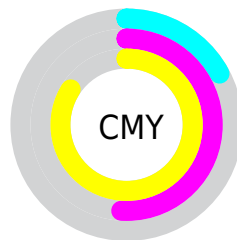
- Red (83%)
- Green (49%)
- Blue (16%)



- Red (83%)
- Yellow (78%)
- Blue (16%)



- Cyan (0%)
- Magenta (42%)
- Yellow (80%)
- Black (17%)





- Cyan (17%)
- Magenta (51%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5795, 0.5023, 0.4128 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 28.5795, 0.5023, 0.4128 by changing the saturation by 10% instead.


 28.5795, 0.5023,
0.4128


 28.5795, 0.5023,
0.4128


295.2257, 0.4052,
0.3797

 18.7630, 0.5243,
0.4158


 57.4083, 0.4680,
0.4042


 11.4991, 0.5499,
0.4159


 77.1894, 0.4547,
0.3998


 6.4036, 0.5856,
0.4144


 101.0607, 0.4433,
0.3957

 3.0920, 0.6097,
0.3903

 129.4068, 0.4335,
0.3919

 1.1800, 0.6490,
0.3510

 162.6119, 0.4250,
0.3884

 0.0452, 0.9419,
0.0581

 201.0605, 0.4176,

 0.0000, 0.0000,

0.3852

0.0000

245.1370, 0.4110,
0.3823

■ 28.5795, 0.5023,
0.4128

■ 28.5795, 0.5023,
0.4128

■ 25.8674, 0.5268,
0.4106

■ 31.6810, 0.4749,
0.4098

■ 23.5464, 0.5473,
0.4037

■ 35.1881, 0.4465,
0.4024

■ 39.1206, 0.4187,
0.3920

■ 43.4956, 0.3926,
0.3799

■ 48.3288, 0.3689,
0.3669

■ 53.6351, 0.3478,
0.3538

■ 59.4284, 0.3292,
0.3412

■ 65.7222, 0.3130,
0.3292

■ 72.5292, 0.2989,
0.3180

Harmonies

Analogous

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



28.5795, 0.5075, 0.3425



28.5795, 0.5023, 0.4128



28.5795, 0.4430, 0.4817

Triad

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



28.5795, 0.5023, 0.4128



28.5795, 0.1878, 0.3725



28.5795, 0.2435, 0.1900

Complementary

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



28.5795, 0.5023, 0.4128



21.2185, 0.1940, 0.1977

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.



28.5795, 0.1790, 0.1823



28.5795, 0.5023, 0.4128



28.5795, 0.1504, 0.2665

Square

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



28.5795, 0.5023, 0.4128



28.5795, 0.2621, 0.4831



28.5795, 0.1486, 0.2047



28.5795, 0.3406, 0.2235

Rectangle

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



28.5795, 0.5023, 0.4128



28.5795, 0.3864, 0.5144



28.5795, 0.1486, 0.2047



28.5795, 0.2180, 0.1844

Sweetspot

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



28.5810, 0.5023, 0.4128



78.0908, 0.3561, 0.3592



17.3396, 0.4394, 0.2367



16.0985, 0.3638, 0.3639



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.



28.5810, 0.5023, 0.4128



36.7904, 0.5411, 0.4059



58.4633, 0.4177, 0.4911



13.3993, 0.3279, 0.3403



14.7363, 0.5450, 0.4054



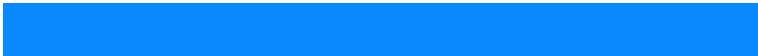
1.0541, 0.5177, 0.4272

Inverse Universe

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



21.2185, 0.1940, 0.1977



25.1582, 0.1804, 0.1674



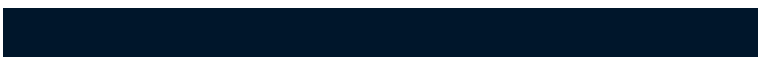
7.3364, 0.1649, 0.0871



13.0615, 0.2982, 0.3175



9.9880, 0.1791, 0.1647



0.7679, 0.1876, 0.1952

Previews

White Background



This preview shows how the Yxy color 28.5795, 0.5023, 0.4128 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 28.5795, 0.5023, 0.4128 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 28.5795, 0.5023, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 28.5795, 0.5023, 0.4128.



This preview shows how white text looks on a background with the Yxy color 28.5795, 0.5023, 0.4128.

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

28.5795, 0.5023, 0.4128

Protanopia

28.6637, 0.4231, 0.4643

Deuteranopia

28.7830, 0.4597, 0.4513



Tritanopia

28.5449, 0.4277, 0.3196

Trichromacy



Original Color

28.5795, 0.5023, 0.4128

Protanomaly

28.1980, 0.4520, 0.4451

Deuteranomaly

28.6595, 0.4751, 0.4375

Tritanomaly

28.4489, 0.4624, 0.3590

Monochromacy



Original Color

28.5795, 0.5023, 0.4128

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.5634, 0.3836, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5795, 0.5023, 0.4128 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(212, 124, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 124, 42) }
```

Border

The CSS property to change the border of an element to Yxy 28.5795, 0.5023, 0.4128 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, 42) }
```

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

```
.border{ border-color:rgb(212, 124, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 124, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 124, 42);  
box-shadow:4px 4px 4px 4px rgb(212, 124,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5795, 0.5023, 0.4128 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, 42) }
```

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

```
.background{ background-color: rgb(212,  
124, 42) }
```

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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