

Converting Colors

$Y_{xy}(28.7790, 0.4929, 0.3897)$

Have a look what the booklet for
Yxy(28.7790, 0.4929, 0.3897)
contains.

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Color

Yxy(28.8081, 0.4929, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	D97941
RGB	217, 121, 65
RGB Percent	85%, 47%, 25%
CMY	0.1490, 0.5255, 0.7449
CMYK	0.00, 0.44, 0.70, 0.15
HSL	22°, 67%, 55%
HSV	22°, 70%, 85%
XYZ	36.4090, 28.8081, 8.6498
YIQ	143.3200, 75.1920, 2.9360

Conversions

Conversions Part 2

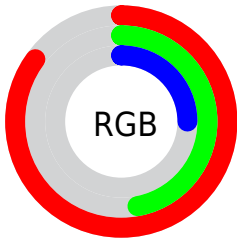
Format	Color
R_{YB}	217, 154, 65
Decimal	14252353
CIE _{Lab}	60.61, 32.90, 46.11
CIE _{LCh}	61, 56.649, 54.490
Yxy	28.8081, 0.4929, 0.3900
Android (android.graphics.Color)	4292442433 (0xFFD97941)
YUV	143.3200, -38.6118, 64.6174
Hunter-Lab	53.6732, 27.1568, 28.0162

Details

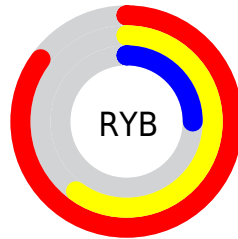
The Yxy color **28.8081, 0.4929, 0.3900** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **31.6437, 0.2122, 0.2445**, and the grayscale version is **27.7403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7699, 0.4389, 0.3894**, and **11.7091, 0.5449, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **25.5056, 0.5261, 0.3907**, and if you desaturate by 10%, it is **32.6839, 0.4590, 0.3852**.

Distribution



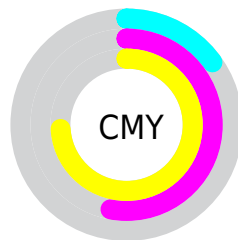
- Red (85%)
- Green (47%)
- Blue (25%)



- Red (85%)
- Yellow (60%)
- Blue (25%)



- Cyan (0%)
- Magenta (44%)
- Yellow (70%)
- Black (15%)





- Cyan (15%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8081, 0.4929, 0.3900 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 28.8081, 0.4929, 0.3900 by changing the saturation by 10% instead.

 28.8081, 0.4929,
0.3900


 28.8081, 0.4929,
0.3900


296.3084, 0.3980,
0.3661

 18.9357, 0.5162,
0.3922


 57.7721, 0.4582,
0.3838


 11.6238, 0.5450,
0.3923

 77.6324, 0.4452,
0.3806

 6.4881, 0.5829,
0.3891


 101.5908, 0.4342,
0.3776

 3.1441, 0.6265,
0.3735

 130.0318, 0.4248,
0.3749

 1.2074, 0.6695,
0.3305

 163.3396, 0.4167,
0.3724

 0.0677, 0.9276,
0.0724

201.8988, 0.4096,

 0.0000, 0.0000,

0.3701

0.0000

246.0936, 0.4035,
0.3680

■ 28.8081, 0.4929,
0.3900

■ 28.8081, 0.4929,
0.3900

■ 25.5056, 0.5261,
0.3907

■ 32.6839, 0.4590,
0.3852

■ 22.7400, 0.5559,
0.3863

■ 37.1569, 0.4267,
0.3775

■ 20.4756, 0.5803,
0.3775

■ 42.2551, 0.3973,
0.3681

■ 48.0030, 0.3712,
0.3581

■ 54.4238, 0.3487,
0.3480

■ 61.5395, 0.3293,
0.3382

■ 69.3708, 0.3128,
0.3290

■ 77.9377, 0.2987,
0.3205

■ 86.9098, 0.2896,
0.3181

Harmonies

Analogous

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



28.8081, 0.4778, 0.3253



28.8081, 0.4929, 0.3900



28.8081, 0.4531, 0.4539

Triad

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



28.8081, 0.4929, 0.3900



28.8081, 0.2166, 0.3997



28.8081, 0.2293, 0.1963

Complementary

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



28.8081, 0.4929, 0.3900



31.6437, 0.2122, 0.2445

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.



28.8081, 0.1784, 0.1973



28.8081, 0.4929, 0.3900



28.8081, 0.1705, 0.2985

Square

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



28.8081, 0.4929, 0.3900



28.8081, 0.2929, 0.4840



28.8081, 0.1588, 0.2290



28.8081, 0.3106, 0.2208

Rectangle

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



28.8081, 0.4929, 0.3900



28.8081, 0.4063, 0.4876



28.8081, 0.1588, 0.2290



28.8081, 0.2088, 0.1936

Sweetspot

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



28.8096, 0.4929, 0.3900



77.2998, 0.3511, 0.3491



21.1220, 0.3930, 0.2245



15.9791, 0.3572, 0.3520



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.



28.8096, 0.4929, 0.3900



34.7726, 0.5408, 0.3893



54.9509, 0.4213, 0.4679



13.8328, 0.3282, 0.3377



12.5796, 0.5777, 0.3795



0.9764, 0.5468, 0.4041

Inverse Universe

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



31.6437, 0.2122, 0.2445



38.7886, 0.1988, 0.2235



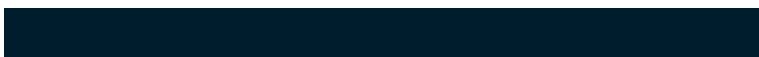
12.6814, 0.1838, 0.1297



13.9815, 0.2982, 0.3202



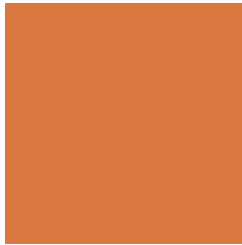
14.0881, 0.1901, 0.2043



1.0752, 0.1964, 0.2269

Previews

White Background



This preview shows how the Yxy color 28.8081, 0.4929, 0.3900 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 28.8081, 0.4929, 0.3900 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 28.8081, 0.4929, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 28.8081, 0.4929, 0.3900.



This preview shows how white text looks on a background with the Yxy color 28.8081, 0.4929, 0.3900.

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

28.8081, 0.4929, 0.3900

Protanopia

29.0299, 0.4016, 0.4394

Deuteranopia

28.7366, 0.4422, 0.4331



Tritanopia

28.6803, 0.4345, 0.3187

Trichromacy



Original Color

28.8081, 0.4929, 0.3900

Protanomaly

28.5642, 0.4349, 0.4213

Deuteranomaly

28.4524, 0.4620, 0.4156

Tritanomaly

28.7420, 0.4584, 0.3470

Monochromacy



Original Color

28.8081, 0.4929, 0.3900

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.1118, 0.3758, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8081, 0.4929, 0.3900 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(217, 121, 65)` looks like.

```
.text, #text, p{  
    color:rgb(217, 121, 65)  
}
```

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(217, 121, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 121, 65) }
```

Border

The CSS property to change the border of an element to Yxy 28.8081, 0.4929, 0.3900 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(217, 121, 65) }
```

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

```
.border{ border-color:rgb(217, 121, 65) }
```

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

Here you see how a box with a 4 pixel rgb(217, 121, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 121, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 121, 65);  
box-shadow:4px 4px 4px 4px rgb(217, 121,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8081, 0.4929, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 121, 65) }
```

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

```
.background{ background-color: rgb(217,  
121, 65) }
```

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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