

Converting Colors

$Y_{xy}(29.5022, 0.4858, 0.4271)$

Have a look what the booklet for
Yxy(29.5022, 0.4858, 0.4271)
contains.

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Color

Yxy(29.5000, 0.4857, 0.4271)

Conversions

Conversions Part 1

Format	Color
Hex	CC8429
RGB	204, 132, 41
RGB Percent	80%, 52%, 16%
CMY	0.2001, 0.4823, 0.8392
CMYK	0.00, 0.35, 0.80, 0.20
HSL	34°, 67%, 48%
HSV	34°, 80%, 80%
XYZ	33.5475, 29.5000, 6.0229
YIQ	143.1540, 72.1230, -13.0370

Conversions

Conversions Part 2

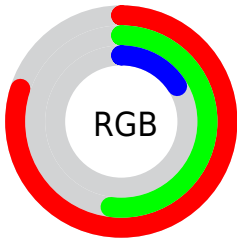
Format	Color
R_{YB}	170, 204, 41
Decimal	13403177
CIE _{Lab}	61.22, 20.51, 56.93
CIE _{LCh}	61, 60.515, 70.191
Yxy	29.5000, 0.4857, 0.4271
Android (android.graphics.Color)	4291593257 (0xFFCC8429)
YUV	143.1540, -50.3619, 53.3619
Hunter-Lab	54.3139, 15.2030, 31.4450

Details

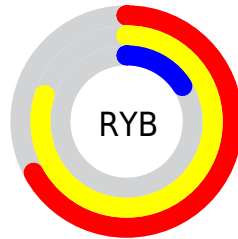
The Yxy color **29.5000, 0.4857, 0.4271** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.6276, 0.1890, 0.1774**, and the grayscale version is **27.7173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7661, 0.4466, 0.4182**, and **11.9639, 0.5180, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **27.0558, 0.5066, 0.4268**, and if you desaturate by 10%, it is **32.2318, 0.4621, 0.4222**.

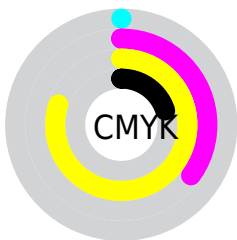
Distribution



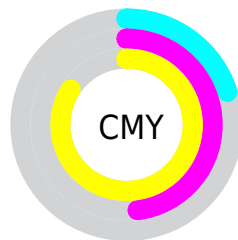
- Red (80%)
- Green (52%)
- Blue (16%)



- Red (67%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (20%)




- Cyan (20%)
- Magenta (48%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5000, 0.4857, 0.4271 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 29.5000, 0.4857, 0.4271 by changing the saturation by 10% instead.

 29.5000, 0.4857,
0.4271


 29.5000, 0.4857,
0.4271


299.5668, 0.3982,
0.3851


 19.4594, 0.5051,
0.4328


 58.8706, 0.4551,
0.4149


 12.0027, 0.5274,
0.4366


 78.9693, 0.4431,
0.4092


 6.7455, 0.5590,
0.4410


 103.1895, 0.4328,
0.4041

 3.3035, 0.5769,
0.4231

 131.9156, 0.4239,
0.3995

 1.2921, 0.6065,
0.3935

 165.5320, 0.4162,
0.3953

 0.1351, 0.8232,
0.1768

 204.4231, 0.4094,

 0.0000, 0.0000,

0.3916

0.0000

248.9732, 0.4035,
0.3882

■ 29.5000, 0.4857,
0.4271

■ 29.5000, 0.4857,
0.4271

■ 27.0558, 0.5066,
0.4268

■ 32.2318, 0.4621,
0.4222

■ 24.8709, 0.5243,
0.4218

■ 35.2617, 0.4372,
0.4131

■ 24.8505, 0.5245,
0.4218

■ 38.6047, 0.4124,
0.4009

■ 42.2731, 0.3886,
0.3869

■ 46.2780, 0.3665,
0.3721

■ 50.6301, 0.3464,
0.3572

■ 55.3393, 0.3285,
0.3427

■ 60.4153, 0.3126,
0.3289

■ 65.8670, 0.2985,
0.3160

Harmonies

Analogous

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



29.5000, 0.5035, 0.3586



29.5000, 0.4857, 0.4271



29.5000, 0.4213, 0.4889

Triad

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



29.5000, 0.4857, 0.4271



29.5000, 0.1815, 0.3449



29.5000, 0.2658, 0.2005

Complementary

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



29.5000, 0.4857, 0.4271



16.6276, 0.1890, 0.1774

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.



29.5000, 0.1955, 0.1870



29.5000, 0.4857, 0.4271



29.5000, 0.1532, 0.2524

Square

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



29.5000, 0.4857, 0.4271



29.5000, 0.2460, 0.4544



29.5000, 0.1585, 0.2019



29.5000, 0.3634, 0.2381

Rectangle

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



29.5000, 0.4857, 0.4271



29.5000, 0.3644, 0.5111



29.5000, 0.1585, 0.2019



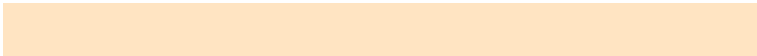
29.5000, 0.2386, 0.1931

Sweetspot

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



29.5015, 0.4857, 0.4271



80.6227, 0.3550, 0.3637



15.6413, 0.4643, 0.2527



16.7051, 0.3624, 0.3691



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.



29.5015, 0.4857, 0.4271



42.1269, 0.5196, 0.4232



55.0441, 0.4060, 0.4999



12.2355, 0.3276, 0.3419



15.8343, 0.5226, 0.4233



0.9666, 0.4971, 0.4435

Inverse Universe

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



16.6276, 0.1890, 0.1774



20.3073, 0.1736, 0.1428



6.6003, 0.1678, 0.0854



11.6455, 0.2983, 0.3157



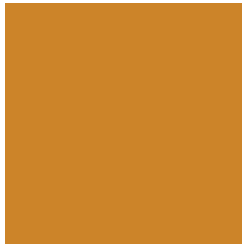
7.5321, 0.1723, 0.1402



0.5389, 0.1829, 0.1784

Previews

White Background



This preview shows how the Yxy color 29.5000, 0.4857, 0.4271 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 29.5000, 0.4857, 0.4271 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 29.5000, 0.4857, 0.4271

Background



This preview shows how black text looks on a background with the Yxy color 29.5000, 0.4857, 0.4271.



This preview shows how white text looks on a background with the Yxy color 29.5000, 0.4857, 0.4271.

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

29.5000, 0.4857, 0.4271

Protanopia

29.7913, 0.4240, 0.4688

Deuteranopia

29.6224, 0.4589, 0.4515



Tritanopia

29.3872, 0.4061, 0.3179

Trichromacy



Original Color

29.5000, 0.4857, 0.4271

Protanomaly

29.5301, 0.4465, 0.4531

Deuteranomaly

29.6544, 0.4692, 0.4427

Tritanomaly

29.0880, 0.4426, 0.3632

Monochromacy



Original Color

29.5000, 0.4857, 0.4271

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.5052, 0.3780, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5000, 0.4857, 0.4271 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(204, 132, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 132, 41)  
}
```

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(204, 132, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 132, 41) }
```

Border

The CSS property to change the border of an element to Yxy 29.5000, 0.4857, 0.4271 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(204, 132, 41) }
```

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

```
.border{ border-color:rgb(204, 132, 41) }
```

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

Here you see how a box with a 4 pixel rgb(204, 132, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 132, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 132, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 132,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5000, 0.4857, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 132, 41) }
```

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

```
.background{ background-color: rgb(204,  
132, 41) }
```

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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