

Converting Colors

$Y_{xy}(29.7872, 0.4848, 0.4533)$

Have a look what the booklet for
Yxy(29.7872, 0.4848, 0.4533)
contains.

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Color

Yxy(29.6271, 0.4850, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	C48900
RGB	196, 137, 0
RGB Percent	77%, 54%, 0%
CMY	0.2313, 0.4627, 0.9999
CMYK	0.00, 0.30, 1.00, 0.23
HSL	42°, 100%, 38%
HSV	42°, 100%, 77%
XYZ	31.7130, 29.6271, 4.0475
YIQ	139.0230, 79.1410, -30.0990

Conversions

Conversions Part 2

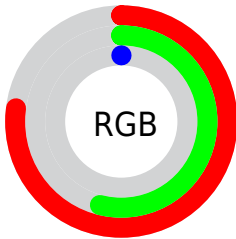
Format	Color
RYB	84, 196, 0
Decimal	12880128
CIELab	61.33, 13.47, 66.58
CIELCh	61, 67.930, 78.564
Yxy	29.6271, 0.4850, 0.4531
Android (android.graphics.Color)	4291070208 (0xFFC48900)
YUV	139.0230, -68.5383, 49.9688
Hunter-Lab	54.4308, 8.7454, 33.6927

Details

The Yxy color **29.6271, 0.4850, 0.4531** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **7.1176, 0.1609, 0.0993**, and the grayscale version is **26.0765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5418, 0.4557, 0.4389**, and **12.1348, 0.4995, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **29.6266, 0.4850, 0.4531**, and if you desaturate by 10%, it is **31.4019, 0.4733, 0.4546**.

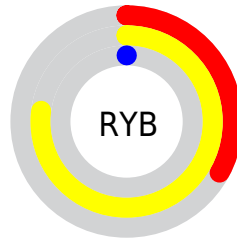
Distribution



Red (77%)

Green (54%)

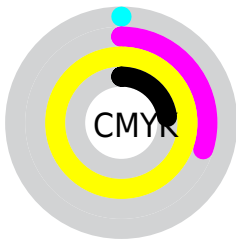
Blue (0%)



Red (33%)

Yellow (77%)

Blue (0%)

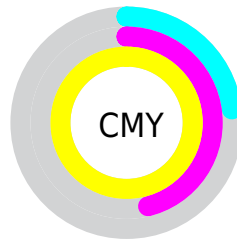


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (23%)



Cyan (23%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6271, 0.4850, 0.4531 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 29.6271, 0.4850, 0.4531 by changing the saturation by 10% instead.


 29.6271, 0.4850,
0.4531


 29.6271, 0.4850,
0.4531


300.1624, 0.4018,
0.4000


 19.5557, 0.5011,
0.4601


 59.0720, 0.4575,
0.4378

 12.0725, 0.5204,
0.4669


 79.2142, 0.4462,
0.4307


 6.7931, 0.5352,
0.4648


 103.4822, 0.4363,
0.4242

 3.3330, 0.5474,
0.4526

 132.2604, 0.4276,
0.4183

 1.3080, 0.5681,
0.4319

 165.9331, 0.4200,
0.4130

 0.1474, 0.7609,
0.2391


 204.8847, 0.4132,

 0.0000, 0.0000,

0.4082


0.0000


 249.4997, 0.4072,
0.4039


 29.6271, 0.4850,
0.4531


 29.6271, 0.4850,
0.4531

 29.6266, 0.4850,
0.4531

 31.4019, 0.4733,
0.4546

 33.3180, 0.4590,
0.4517

 35.3959, 0.4419,
0.4441

 37.6461, 0.4229,
0.4322

 40.0775, 0.4030,
0.4173

■ 42.6981, 0.3830,
0.4003

■ 45.5153, 0.3635,
0.3823

■ 48.5359, 0.3452,
0.3640

■ 51.7662, 0.3282,
0.3461

Harmonies

Analogous

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



29.6271, 0.5250, 0.3779



29.6271, 0.4850, 0.4531



29.6271, 0.4032, 0.5188

Triad

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



29.6271, 0.4850, 0.4531



29.6271, 0.1556, 0.3117



29.6271, 0.2878, 0.1977

Complementary

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



29.6271, 0.4850, 0.4531



7.1176, 0.1609, 0.0993

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.



29.6271, 0.2014, 0.1755



29.6271, 0.4850, 0.4531



29.6271, 0.1371, 0.2228

Square

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



29.6271, 0.4850, 0.4531



29.6271, 0.2138, 0.4389



29.6271, 0.1524, 0.1815



29.6271, 0.4009, 0.2442

Rectangle

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



29.6271, 0.4850, 0.4531



29.6271, 0.3382, 0.5349



29.6271, 0.1524, 0.1815



29.6271, 0.2549, 0.1873

Sweetspot

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



29.6286, 0.4850, 0.4531



82.1887, 0.3645, 0.3832



12.0865, 0.5712, 0.2921



17.1161, 0.3727, 0.3910



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.



29.6286, 0.4850, 0.4531



53.1887, 0.4862, 0.4521



46.9668, 0.3871, 0.5308



11.2297, 0.3272, 0.3450



19.1908, 0.4839, 0.4540



0.9453, 0.4662, 0.4680

Inverse Universe

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



7.1176, 0.1609, 0.0993



12.4969, 0.1602, 0.0968



4.3608, 0.1582, 0.0645



10.2314, 0.2984, 0.3124



4.7052, 0.1616, 0.1017



0.3273, 0.1746, 0.1484

Previews

White Background



This preview shows how the Yxy color 29.6271, 0.4850, 0.4531 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 29.6271, 0.4850, 0.4531 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 29.6271, 0.4850, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 29.6271, 0.4850, 0.4531.



This preview shows how white text looks on a background with the Yxy color 29.6271, 0.4850, 0.4531.

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

29.6271, 0.4850, 0.4531

Protanopia

29.8463, 0.4384, 0.4853

Deuteranopia

29.7411, 0.4718, 0.4636



Tritanopia

29.5414, 0.3902, 0.3161

Trichromacy



Original Color

29.6271, 0.4850, 0.4531

Protanomaly

29.7333, 0.4548, 0.4740

Deuteranomaly

29.8325, 0.4761, 0.4602

Tritanomaly

29.2001, 0.4444, 0.3856

Monochromacy



Original Color

29.6271, 0.4850, 0.4531

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.3551, 0.3918, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6271, 0.4850, 0.4531 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, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 137, 0)  
}
```

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, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.6271, 0.4850, 0.4531 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, 137, 0) }
```

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

```
.border{ border-color:rgb(196, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(196, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6271, 0.4850, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 137, 0) }
```

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

```
.background{ background-color: rgb(196,  
137, 0) }
```

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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