

Converting Colors

$Y_{xy}(33.0016, 0.4647, 0.4635)$

Have a look what the booklet for
Yxy(33.0016, 0.4647, 0.4635)
contains.

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Color

Yxy(33.0016, 0.4647, 0.4635)

Conversions

Conversions Part 1

Format	Color
Hex	C29510
RGB	194, 149, 16
RGB Percent	76%, 58%, 6%
CMY	0.2392, 0.4156, 0.9376
CMYK	0.00, 0.23, 0.92, 0.24
HSL	45°, 85%, 41%
HSV	45°, 92%, 76%
XYZ	33.0870, 33.0016, 5.1122
YIQ	147.2930, 69.5130, -31.8230

Conversions

Conversions Part 2

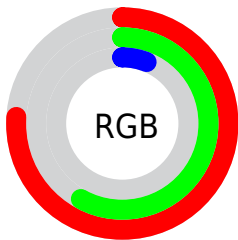
Format	Color
RYB	76, 194, 16
Decimal	12752144
CIELab	64.16, 6.20, 66.06
CIELCh	64, 66.350, 84.635
Yxy	33.0016, 0.4647, 0.4635
Android (android.graphics.Color)	4290942224 (0xFFC29510)
YUV	147.2930, -64.7274, 40.9620
Hunter-Lab	57.4470, 2.2761, 34.9367

Details

The Yxy color **33.0016, 0.4647, 0.4635** 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 **7.3295, 0.1641, 0.1036**, and the grayscale version is **29.5536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5364, 0.4414, 0.4450**, and **14.0746, 0.4742, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **31.7166, 0.4725, 0.4630**, and if you desaturate by 10%, it is **34.6727, 0.4529, 0.4606**.

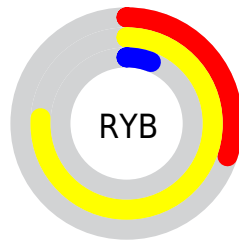
Distribution



Red (76%)

Green (58%)

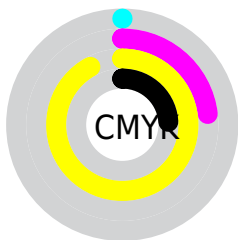
Blue (6%)



Red (30%)

Yellow (76%)

Blue (6%)

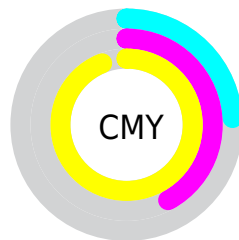


Cyan (0%)

Magenta (23%)

Yellow (92%)

Black (24%)



Cyan (24%)


Magenta (42%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0016, 0.4647, 0.4635 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 33.0016, 0.4647, 0.4635 by changing the saturation by 10% instead.


 33.0016, 0.4647,
0.4635


 33.0016, 0.4647,
0.4635


315.6569, 0.3929,
0.4030


 22.1277, 0.4783,
0.4735


 64.3780, 0.4412,
0.4448

 13.9507, 0.4927,
0.4829


 85.6493, 0.4315,
0.4366


 8.0864, 0.5085,
0.4915


 111.1552, 0.4229,
0.4293

 4.1503, 0.5137,
0.4863

 141.2800, 0.4154,
0.4228

 1.7580, 0.5222,
0.4778

 176.4082, 0.4087,
0.4170

 0.4608, 0.5612,
0.4388

 216.9242, 0.4028,

 0.0000, 0.0000,

0.4119

0.0000

263.2123, 0.3976,
0.4072

33.0016, 0.4647,
0.4635

33.0016, 0.4647,
0.4635

31.7166, 0.4725,
0.4630

34.6727, 0.4529,
0.4606

36.4720, 0.4383,
0.4529

38.4111, 0.4215,
0.4410

40.4983, 0.4033,
0.4257

42.7411, 0.3845,
0.4081

■ 45.1464, 0.3658,
0.3892

■ 47.7201, 0.3479,
0.3698

■ 50.4682, 0.3310,
0.3507

■ 53.3961, 0.3154,
0.3322

Harmonies

Analogous

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



33.0016, 0.5115, 0.3923



33.0016, 0.4647, 0.4635



33.0016, 0.3824, 0.5168

Triad

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



33.0016, 0.4647, 0.4635



33.0016, 0.1565, 0.2927



33.0016, 0.3101, 0.2109

Complementary

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



33.0016, 0.4647, 0.4635



7.3295, 0.1641, 0.1036

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.



33.0016, 0.2208, 0.1844



33.0016, 0.4647, 0.4635



33.0016, 0.1451, 0.2173

Square

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



33.0016, 0.4647, 0.4635



33.0016, 0.2051, 0.4079



33.0016, 0.1662, 0.1847



33.0016, 0.4174, 0.2598

Rectangle

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



33.0016, 0.4647, 0.4635



33.0016, 0.3195, 0.5192



33.0016, 0.1662, 0.1847



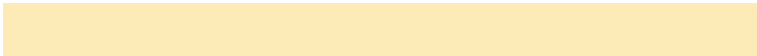
33.0016, 0.2768, 0.1993

Sweetspot

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



33.0032, 0.4647, 0.4635



83.3326, 0.3597, 0.3827



12.1994, 0.5634, 0.2945



17.8110, 0.3677, 0.3912



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.



33.0032, 0.4647, 0.4635



57.0391, 0.4735, 0.4622



45.3348, 0.3801, 0.5316



11.3136, 0.3271, 0.3461



20.9910, 0.4717, 0.4637



1.0116, 0.4576, 0.4748

Inverse Universe

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



7.3295, 0.1641, 0.1036



10.6973, 0.1574, 0.0865



5.1459, 0.1706, 0.0755



10.1523, 0.2983, 0.3113



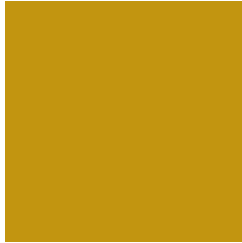
4.1177, 0.1586, 0.0910



0.2924, 0.1712, 0.1362

Previews

White Background



This preview shows how the Yxy color 33.0016, 0.4647, 0.4635 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.0016, 0.4647, 0.4635 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0016, 0.4647, 0.4635

Background



This preview shows how black text looks on a background with the Yxy color 33.0016, 0.4647, 0.4635.



This preview shows how white text looks on a background with the Yxy color 33.0016, 0.4647, 0.4635.

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

33.0016, 0.4647, 0.4635

Protanopia

33.0541, 0.4374, 0.4834

Deuteranopia

33.0906, 0.4686, 0.4599



Tritanopia

33.0527, 0.3705, 0.3161

Trichromacy



Original Color

33.0016, 0.4647, 0.4635

Protanomaly

32.8934, 0.4483, 0.4753

Deuteranomaly

32.9560, 0.4677, 0.4607

Tritanomaly

32.5903, 0.4182, 0.3844

Monochromacy



Original Color

33.0016, 0.4647, 0.4635

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9732, 0.3792, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0016, 0.4647, 0.4635 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(194, 149, 16)` looks like.

```
.text, #text, p{  
    color:rgb(194, 149, 16)  
}
```

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(194, 149, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 149, 16) }
```

Border

The CSS property to change the border of an element to Yxy 33.0016, 0.4647, 0.4635 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(194, 149, 16) }
```

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

```
.border{ border-color:rgb(194, 149, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 149, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 149, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 149, 16);  
box-shadow:4px 4px 4px 4px rgb(194, 149,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0016, 0.4647, 0.4635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 149, 16) }
```

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

```
.background{ background-color: rgb(194,  
149, 16) }
```

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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