

Converting Colors

Yxy(33.4161, 0.4606, 0.4240)

Have a look what the booklet for
Yxy(33.4161, 0.4606, 0.4240)
contains.

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Color

Yxy(33.4161, 0.4606, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	CE903E
RGB	206, 144, 62
RGB Percent	81%, 56%, 24%
CMY	0.1921, 0.4353, 0.7568
CMYK	0.00, 0.30, 0.70, 0.19
HSL	34°, 60%, 53%
HSV	34°, 70%, 81%
XYZ	36.3006, 33.4161, 9.0949
YIQ	153.1900, 63.2740, -12.3580

Conversions

Conversions Part 2

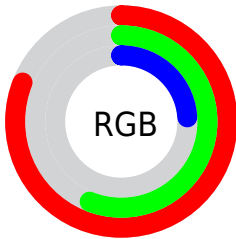
Format	Color
RYB	171, 206, 62
Decimal	13537342
CIELab	64.50, 15.80, 51.36
CIELCh	64, 53.736, 72.900
Yxy	33.4161, 0.4606, 0.4240
Android (android.graphics.Color)	4291727422 (0xFFCE903E)
YUV	153.1900, -44.9567, 46.3144
Hunter-Lab	57.8067, 10.9302, 31.1364

Details

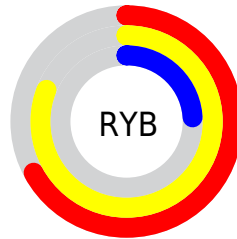
The Yxy color **33.4161, 0.4606, 0.4240** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **19.9047, 0.2006, 0.1963**, and the grayscale version is **32.1228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8404, 0.4249, 0.4145**, and **14.2194, 0.4969, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **30.6498, 0.4837, 0.4291**, and if you desaturate by 10%, it is **36.4827, 0.4362, 0.4147**.

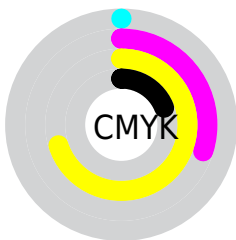
Distribution



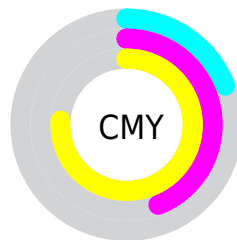
- Red (81%)
- Green (56%)
- Blue (24%)



- Red (67%)
- Yellow (81%)
- Blue (24%)



- Cyan (0%)
- Magenta (30%)
- Yellow (70%)
- Black (19%)





- Cyan (19%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4161, 0.4606, 0.4240 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 33.4161, 0.4606, 0.4240 by changing the saturation by 10% instead.


 33.4161, 0.4606,
0.4240


 33.4161, 0.4606,
0.4240


317.5206, 0.3859,
0.3809


 22.4454, 0.4778,
0.4317


 65.0246, 0.4342,
0.4102


 14.1845, 0.4981,
0.4393


 86.4312, 0.4240,
0.4044

 8.2491, 0.5232,
0.4461


 112.0853, 0.4152,
0.3993

 4.2548, 0.5521,
0.4479

 142.3711, 0.4077,
0.3947

 1.8171, 0.5719,
0.4281

 177.6732, 0.4012,
0.3907

 0.4978, 0.6331,
0.3669

218.3758, 0.3955,

 0.0000, 0.0000,

0.3871

0.0000

264.8635, 0.3904,
0.3838

■ 33.4161, 0.4606,
0.4240

■ 33.4161, 0.4606,
0.4240

■ 30.6498, 0.4837,
0.4291

■ 36.4827, 0.4362,
0.4147

■ 28.1638, 0.5040,
0.4291

■ 39.8579, 0.4117,
0.4023

■ 25.9357, 0.5212,
0.4242

■ 43.5556, 0.3882,
0.3880

■ 25.9150, 0.5214,
0.4242

■ 47.5870, 0.3663,
0.3729

■ 51.9625, 0.3464,
0.3577

■ 56.6922, 0.3285,
0.3429

■ 61.7854, 0.3126,
0.3289

■ 67.2512, 0.2985,
0.3157

■ 73.0982, 0.2862,
0.3035

Harmonies

Analogous

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



33.4161, 0.4776, 0.3640



33.4161, 0.4606, 0.4240



33.4161, 0.4038, 0.4721

Triad

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



33.4161, 0.4606, 0.4240



33.4161, 0.1953, 0.3358



33.4161, 0.2799, 0.2180

Complementary

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



33.4161, 0.4606, 0.4240



19.9047, 0.2006, 0.1963

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.



33.4161, 0.2149, 0.2042



33.4161, 0.4606, 0.4240



33.4161, 0.1716, 0.2591

Square

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



33.4161, 0.4606, 0.4240



33.4161, 0.2506, 0.4264



33.4161, 0.1786, 0.2161



33.4161, 0.3647, 0.2536

Rectangle

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



33.4161, 0.4606, 0.4240



33.4161, 0.3536, 0.4843



33.4161, 0.1786, 0.2161



33.4161, 0.2553, 0.2108

Sweetspot

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



33.4178, 0.4606, 0.4240



83.1760, 0.3490, 0.3598



18.0364, 0.4410, 0.2579



17.3714, 0.3544, 0.3640



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.



33.4178, 0.4606, 0.4240



47.5235, 0.4946, 0.4298



56.2919, 0.3980, 0.4890



12.2560, 0.3276, 0.3422



16.1503, 0.5195, 0.4257



0.9821, 0.4948, 0.4453

Inverse Universe

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



19.9047, 0.2006, 0.1963



24.4767, 0.1827, 0.1635



9.2660, 0.1843, 0.1101



11.6253, 0.2983, 0.3155



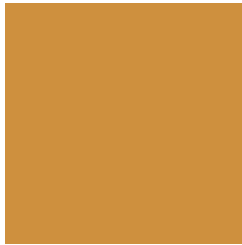
7.2997, 0.1714, 0.1369



0.5263, 0.1821, 0.1754

Previews

White Background



This preview shows how the Yxy color 33.4161, 0.4606, 0.4240 looks on a white background.

Color Contrast Check

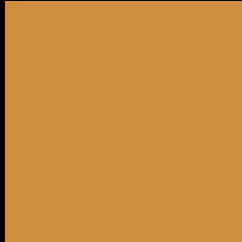
Large Text (above 18pt) WCAG AA × Fail

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 33.4161, 0.4606, 0.4240 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 33.4161, 0.4606, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 33.4161, 0.4606, 0.4240.



This preview shows how white text looks on a background with the Yxy color 33.4161, 0.4606, 0.4240.

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

33.4161, 0.4606, 0.4240

Protanopia

33.5060, 0.4120, 0.4527

Deuteranopia

33.4339, 0.4451, 0.4365



Tritanopia

33.3693, 0.3884, 0.3167

Trichromacy



Original Color

33.4161, 0.4606, 0.4240

Protanomaly

33.2772, 0.4300, 0.4412

Deuteranomaly

33.3465, 0.4512, 0.4320

Tritanomaly

33.1164, 0.4193, 0.3582

Monochromacy



Original Color

33.4161, 0.4606, 0.4240

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9394, 0.3661, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4161, 0.4606, 0.4240 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(206, 144, 62)` looks like.

```
.text, #text, p{  
    color:rgb(206, 144, 62)  
}
```

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(206, 144, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 144, 62) }
```

Border

The CSS property to change the border of an element to Yxy 33.4161, 0.4606, 0.4240 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(206, 144, 62) }
```

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

```
.border{ border-color:rgb(206, 144, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 144, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 144, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 144, 62);  
box-shadow:4px 4px 4px 4px rgb(206, 144,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4161, 0.4606, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 144, 62) }
```

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

```
.background{ background-color: rgb(206,  
144, 62) }
```

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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