

Converting Colors

$Y_{xy}(33.0815, 0.4365, 0.4140)$

Have a look what the booklet for
Yxy(33.0815, 0.4365, 0.4140)
contains.

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Color

Yxy(33.1280, 0.4369, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	C6924F
RGB	198, 146, 79
RGB Percent	78%, 57%, 31%
CMY	0.2236, 0.4274, 0.6901
CMYK	0.00, 0.26, 0.60, 0.22
HSL	34°, 51%, 54%
HSV	34°, 60%, 78%
XYZ	34.9773, 33.1280, 11.9527
YIQ	153.9100, 52.4990, -9.8130

Conversions

Conversions Part 2

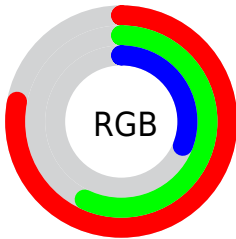
Format	Color
RYB	171, 198, 79
Decimal	13013583
CIELab	64.26, 12.34, 42.62
CIELCh	64, 44.374, 73.857
Yxy	33.1280, 0.4369, 0.4138
Android (android.graphics.Color)	4291203663 (0xFFC6924F)
YUV	153.9100, -36.9306, 38.6669
Hunter-Lab	57.5569, 7.7498, 27.9773

Details

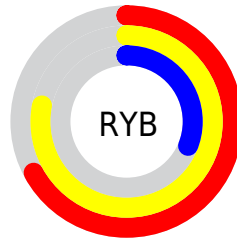
The Yxy color **33.1280, 0.4369, 0.4138** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **21.9742, 0.2153, 0.2197**, and the grayscale version is **32.4228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1803, 0.4117, 0.4008**, and **14.1222, 0.4715, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **30.3156, 0.4615, 0.4230**, and if you desaturate by 10%, it is **36.2313, 0.4123, 0.4016**.

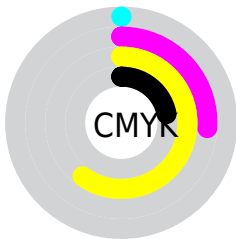
Distribution



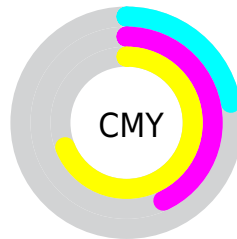
- Red (78%)
- Green (57%)
- Blue (31%)



- Red (67%)
- Yellow (78%)
- Blue (31%)



- Cyan (0%)
- Magenta (26%)
- Yellow (60%)
- Black (22%)




- Cyan (22%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1280, 0.4369, 0.4138 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 33.1280, 0.4369, 0.4138 by changing the saturation by 10% instead.


 33.1280, 0.4369,
0.4138


 33.1280, 0.4369,
0.4138


316.2261, 0.3729,
0.3732

 22.2245, 0.4525,
0.4223


 64.5753, 0.4137,
0.4000


 14.0220, 0.4717,
0.4318


 85.8879, 0.4049,
0.3945

 8.1359, 0.4954,
0.4415

 111.4391, 0.3975,
0.3897

 4.1821, 0.5387,
0.4613

 141.6131, 0.3912,
0.3856

 1.7759, 0.5549,
0.4451

 176.7944, 0.3857,
0.3819

 0.4721, 0.6137,
0.3863

217.3674, 0.3809,

 0.0000, 0.0000,

0.3787

0.0000

263.7165, 0.3767,
0.3758

■ 33.1280, 0.4369,
0.4138

■ 33.1280, 0.4369,
0.4138

■ 30.3156, 0.4615,
0.4230

■ 36.2313, 0.4123,
0.4016

■ 27.7770, 0.4849,
0.4279

■ 39.6320, 0.3886,
0.3875

■ 25.4999, 0.5055,
0.4278

■ 43.3419, 0.3667,
0.3726

■ 23.4779, 0.5229,
0.4230

■ 47.3709, 0.3467,
0.3576

■ 51.7280, 0.3287,
0.3430

■ 56.4221, 0.3128,
0.3291

■ 61.4615, 0.2988,
0.3161

■ 66.8541, 0.2865,
0.3041

■ 72.4641, 0.2769,
0.2953

Harmonies

Analogous

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



33.1280, 0.4504, 0.3634



33.1280, 0.4369, 0.4138



33.1280, 0.3897, 0.4502

Triad

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



33.1280, 0.4369, 0.4138



33.1280, 0.2128, 0.3336



33.1280, 0.2881, 0.2348

Complementary

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



33.1280, 0.4369, 0.4138



21.9742, 0.2153, 0.2197

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.



33.1280, 0.2315, 0.2224



33.1280, 0.4369, 0.4138



33.1280, 0.1921, 0.2704

Square

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



33.1280, 0.4369, 0.4138



33.1280, 0.2601, 0.4059



33.1280, 0.1987, 0.2332



33.1280, 0.3588, 0.2664

Rectangle

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



33.1280, 0.4369, 0.4138



33.1280, 0.3473, 0.4564



33.1280, 0.1987, 0.2332



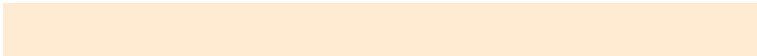
33.1280, 0.2669, 0.2283

Sweetspot

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



33.1296, 0.4369, 0.4138



85.2533, 0.3433, 0.3549



19.2812, 0.4108, 0.2615



17.7772, 0.3488, 0.3593



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.



33.1296, 0.4369, 0.4138



52.2936, 0.4687, 0.4250



52.1594, 0.3916, 0.4712



11.6111, 0.3276, 0.3420



15.4431, 0.5211, 0.4244



0.8736, 0.4944, 0.4457

Inverse Universe

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



21.9742, 0.2153, 0.2197



30.9088, 0.1970, 0.1912



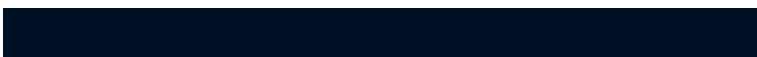
11.6026, 0.2013, 0.1396



11.0372, 0.2983, 0.3156



7.1974, 0.1720, 0.1390



0.4844, 0.1834, 0.1800

Previews

White Background



This preview shows how the Yxy color 33.1280, 0.4369, 0.4138 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 33.1280, 0.4369, 0.4138 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 33.1280, 0.4369, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 33.1280, 0.4369, 0.4138.



This preview shows how white text looks on a background with the Yxy color 33.1280, 0.4369, 0.4138.

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

33.1280, 0.4369, 0.4138

Protanopia

33.1568, 0.3984, 0.4342

Deuteranopia

33.2514, 0.4289, 0.4212



Tritanopia

33.0434, 0.3730, 0.3149

Trichromacy



Original Color

33.1280, 0.4369, 0.4138

Protanomaly

32.8743, 0.4121, 0.4264

Deuteranomaly

33.1992, 0.4318, 0.4190

Tritanomaly

32.9225, 0.3978, 0.3516

Monochromacy



Original Color

33.1280, 0.4369, 0.4138

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.2116, 0.3564, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1280, 0.4369, 0.4138 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(198, 146, 79)` looks like.

```
.text, #text, p{  
    color:rgb(198, 146, 79)  
}
```

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(198, 146, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 146, 79) }
```

Border

The CSS property to change the border of an element to Yxy 33.1280, 0.4369, 0.4138 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(198, 146, 79) }
```

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

```
.border{ border-color:rgb(198, 146, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 146, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 146, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 146, 79);  
box-shadow:4px 4px 4px 4px rgb(198, 146,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1280, 0.4369, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 146, 79) }
```

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

```
.background{ background-color: rgb(198,  
146, 79) }
```

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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