

Converting Colors

$Y_{xy}(33.1396, 0.4746, 0.4376)$

Have a look what the booklet for
Yxy(33.1396, 0.4746, 0.4376)
contains.

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Color

Yxy(33.0775, 0.4750, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	CF8F2A
RGB	207, 143, 42
RGB Percent	81%, 56%, 16%
CMY	0.1883, 0.4392, 0.8353
CMYK	0.00, 0.31, 0.80, 0.19
HSL	37°, 66%, 49%
HSV	37°, 80%, 81%
XYZ	35.9703, 33.0775, 6.6791
YIQ	150.6220, 70.5650, -17.8430

Conversions

Conversions Part 2

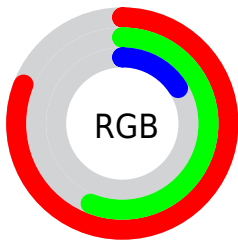
Format	Color
RYB	147, 207, 42
Decimal	13602602
CIELab	64.22, 15.87, 59.44
CIElCh	64, 61.522, 75.049
Yxy	33.0775, 0.4750, 0.4368
Android (android.graphics.Color)	4291792682 (0xFFCF8F2A)
YUV	150.6220, -53.5506, 49.4435
Hunter-Lab	57.5130, 10.9911, 33.3737

Details

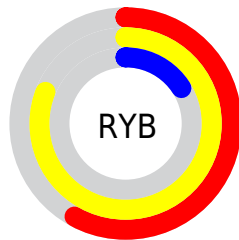
The Yxy color **33.0775, 0.4750, 0.4368** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **15.3006, 0.1853, 0.1632**, and the grayscale version is **30.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0370, 0.4365, 0.4277**, and **14.1246, 0.5020, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **30.6427, 0.4933, 0.4378**, and if you desaturate by 10%, it is **35.7646, 0.4539, 0.4307**.

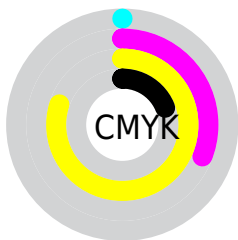
Distribution



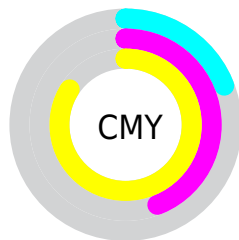
- Red (81%)
- Green (56%)
- Blue (16%)



- Red (58%)
- Yellow (81%)
- Blue (16%)



- Cyan (0%)
- Magenta (31%)
- Yellow (80%)
- Black (19%)



- Cyan (19%)
- Magenta (44%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0775, 0.4750, 0.4368 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 33.0775, 0.4750, 0.4368 by changing the saturation by 10% instead.


 33.0775, 0.4750,
0.4368


 33.0775, 0.4750,
0.4368


 315.9988, 0.3950,
0.3898

 22.1858, 0.4921,
0.4441


 64.4965, 0.4475,
0.4226


 13.9935, 0.5114,
0.4503


 85.7926, 0.4366,
0.4163

 8.1161, 0.5403,
0.4597


 111.3257, 0.4272,
0.4106

 4.1694, 0.5528,
0.4472

 141.4801, 0.4190,
0.4055

 1.7687, 0.5730,
0.4270

 176.6402, 0.4119,
0.4009

 0.4676, 0.6402,
0.3598

 217.1904, 0.4056,

 0.0000, 0.0000,

0.3968

0.0000

263.5152, 0.4000,
0.3931

■ 33.0775, 0.4750,
0.4368

■ 33.0775, 0.4750,
0.4368

■ 30.6427, 0.4933,
0.4378

■ 35.7646, 0.4539,
0.4307

■ 28.4330, 0.5087,
0.4341

■ 38.7128, 0.4313,
0.4205

■ 28.3712, 0.5091,
0.4340

■ 41.9359, 0.4084,
0.4071

■ 45.4448, 0.3861,
0.3919

■ 49.2496, 0.3650,
0.3758

■ 53.3599, 0.3456,
0.3595

■ 57.7844, 0.3280,
0.3437

■ 62.5316, 0.3123,
0.3286

■ 67.6095, 0.2983,
0.3144

Harmonies

Analogous

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



33.0775, 0.5010, 0.3695



33.0775, 0.4750, 0.4368



33.0775, 0.4069, 0.4934

Triad

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



33.0775, 0.4750, 0.4368



33.0775, 0.1769, 0.3277



33.0775, 0.2810, 0.2071

Complementary

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



33.0775, 0.4750, 0.4368



15.3006, 0.1853, 0.1632

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.



33.0775, 0.2066, 0.1898



33.0775, 0.4750, 0.4368



33.0775, 0.1546, 0.2433

Square

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



33.0775, 0.4750, 0.4368



33.0775, 0.2352, 0.4357



33.0775, 0.1648, 0.1997



33.0775, 0.3788, 0.2476

Rectangle

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



33.0775, 0.4750, 0.4368



33.0775, 0.3496, 0.5082



33.0775, 0.1648, 0.1997



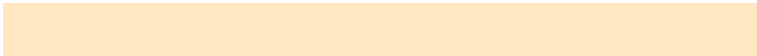
33.0775, 0.2527, 0.1985

Sweetspot

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



33.0792, 0.4750, 0.4368



82.4481, 0.3543, 0.3669



16.0025, 0.4797, 0.2623



17.1441, 0.3614, 0.3728



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.



33.0792, 0.4750, 0.4368



46.4492, 0.5047, 0.4351



55.7976, 0.3989, 0.5049



12.9957, 0.3275, 0.3432



18.0658, 0.5075, 0.4352



1.1617, 0.4871, 0.4514

Inverse Universe

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



15.3006, 0.1853, 0.1632



17.4149, 0.1692, 0.1267



7.0751, 0.1720, 0.0878



12.1587, 0.2982, 0.3144



6.6491, 0.1678, 0.1239



0.5240, 0.1781, 0.1611

Previews

White Background



This preview shows how the Yxy color 33.0775, 0.4750, 0.4368 looks on a white background.

Color Contrast Check

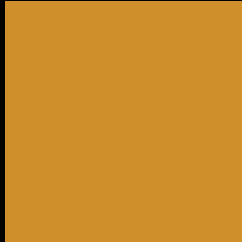
Large Text (above 18pt) WCAG AA × Fail

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 33.0775, 0.4750, 0.4368 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 33.0775, 0.4750, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 33.0775, 0.4750, 0.4368.



This preview shows how white text looks on a background with the Yxy color 33.0775, 0.4750, 0.4368.

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

33.0775, 0.4750, 0.4368

Protanopia

33.0804, 0.4267, 0.4699

Deuteranopia

33.0688, 0.4595, 0.4504



Tritanopia

33.2099, 0.3911, 0.3168

Trichromacy



Original Color

33.0775, 0.4750, 0.4368

Protanomaly

32.8799, 0.4450, 0.4571

Deuteranomaly

32.9972, 0.4653, 0.4450

Tritanomaly

32.8017, 0.4299, 0.3666

Monochromacy



Original Color

33.0775, 0.4750, 0.4368

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.9854, 0.3751, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0775, 0.4750, 0.4368 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(207, 143, 42)` looks like.

```
.text, #text, p{  
    color:rgb(207, 143, 42)  
}
```

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(207, 143, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 143, 42) }
```

Border

The CSS property to change the border of an element to Yxy 33.0775, 0.4750, 0.4368 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(207, 143, 42) }
```

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

```
.border{ border-color:rgb(207, 143, 42) }
```

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

Here you see how a box with a 4 pixel rgb(207, 143, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 143, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 143, 42);  
box-shadow:4px 4px 4px 4px rgb(207, 143,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0775, 0.4750, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 143, 42) }
```

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

```
.background{ background-color: rgb(207,  
143, 42) }
```

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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