

Converting Colors

$Y_{xy}(33.7617, 0.4783, 0.4140)$

Have a look what the booklet for
Yxy(33.7617, 0.4783, 0.4140)
contains.

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Color

Yxy(33.6969, 0.4787, 0.4140)

Conversions

Conversions Part 1

Format	Color
Hex	DA8B3C
RGB	218, 139, 60
RGB Percent	85%, 55%, 24%
CMY	0.1451, 0.4549, 0.7645
CMYK	0.00, 0.36, 0.72, 0.15
HSL	30°, 68%, 55%
HSV	30°, 72%, 85%
XYZ	38.9631, 33.6969, 8.7335
YIQ	153.6150, 72.4430, -7.8210

Conversions

Conversions Part 2

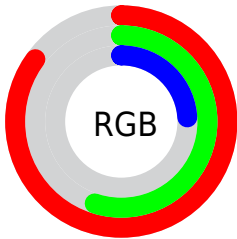
Format	Color
R _Y B	218, 218, 60
Decimal	14322492
CIE Lab	64.72, 23.49, 52.92
CIE LCh	65, 57.901, 66.064
Yxy	33.6969, 0.4787, 0.4140
Android (android.graphics.Color)	4292512572 (0xFFDA8B3C)
YUV	153.6150, -46.1522, 56.4656
Hunter-Lab	58.0490, 18.2251, 31.7141

Details

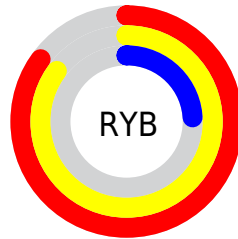
The Yxy color **33.6969, 0.4787, 0.4140** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **24.5061, 0.2012, 0.2075**, and the grayscale version is **32.3230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5476, 0.4294, 0.4115**, and **14.4182, 0.5200, 0.4239** is the 20% darker color. If you saturate the color by 10%, you get **30.5115, 0.5047, 0.4162**, and if you desaturate by 10%, it is **37.2956, 0.4512, 0.4072**.

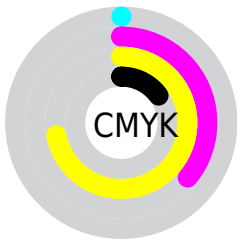
Distribution



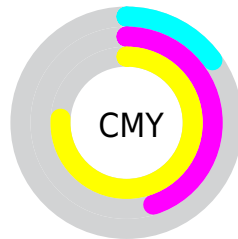
- Red (85%)
- Green (55%)
- Blue (24%)



- Red (85%)
- Yellow (85%)
- Blue (24%)



- Cyan (0%)
- Magenta (36%)
- Yellow (72%)
- Black (15%)




- Cyan (15%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6969, 0.4787, 0.4140 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 33.6969, 0.4787, 0.4140 by changing the saturation by 10% instead.

 33.6969, 0.4787,
0.4140


 33.6969, 0.4787,
0.4140


318.7784, 0.3948,
0.3780


 22.6608, 0.4979,
0.4193


 65.4620, 0.4490,
0.4034


 14.3433, 0.5208,
0.4234

 86.9599, 0.4376,
0.3986

 8.3598, 0.5496,
0.4257


 112.7139, 0.4278,
0.3942

 4.3260, 0.5808,
0.4192

 143.1083, 0.4193,
0.3903

 1.8576, 0.6081,
0.3919

 178.5276, 0.4120,
0.3867

 0.5227, 0.6762,
0.3238

 219.3561, 0.4055,

 0.0000, 1.0000,

0.3835

0.0000

265.9782, 0.3999,
0.3807

■ 0.0000, 0.0000,
0.0000

■ 33.6969, 0.4787,
0.4140

■ 33.6969, 0.4787,
0.4140

■ 30.5115, 0.5047,
0.4162

■ 37.2956, 0.4512,
0.4072

■ 27.7126, 0.5275,
0.4130

■ 41.3217, 0.4238,
0.3970

■ 25.8350, 0.5423,
0.4076

■ 45.7944, 0.3977,
0.3847

■ 50.7299, 0.3738,
0.3714

■ 56.1434, 0.3522,
0.3578

■ 62.0492, 0.3332,
0.3446

■ 68.4610, 0.3165,
0.3320

■ 75.3919, 0.3019,
0.3202

■ 82.7729, 0.2899,
0.3105

Harmonies

Analogous

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



33.6969, 0.4859, 0.3501



33.6969, 0.4787, 0.4140



33.6969, 0.4250, 0.4716

Triad

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



33.6969, 0.4787, 0.4140



33.6969, 0.1979, 0.3583



33.6969, 0.2591, 0.2059

Complementary

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



33.6969, 0.4787, 0.4140



24.5061, 0.2012, 0.2075

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.



33.6969, 0.1972, 0.1969



33.6969, 0.4787, 0.4140



33.6969, 0.1658, 0.2690

Square

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



33.6969, 0.4787, 0.4140



33.6969, 0.2628, 0.4536



33.6969, 0.1663, 0.2158



33.6969, 0.3467, 0.2386

Rectangle

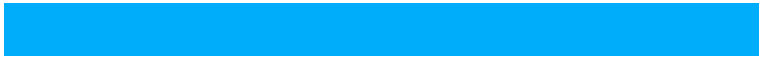
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.6969, 0.4787, 0.4140



33.6969, 0.3739, 0.4940



33.6969, 0.1663, 0.2158



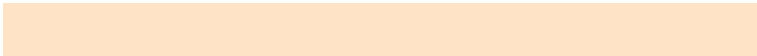
33.6969, 0.2350, 0.2001

Sweetspot

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



33.6986, 0.4787, 0.4140



80.2846, 0.3517, 0.3575



20.0863, 0.4267, 0.2422



16.7163, 0.3573, 0.3612



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.



33.6986, 0.4787, 0.4140



41.3287, 0.5174, 0.4152



64.0207, 0.4102, 0.4853



14.1214, 0.3279, 0.3407



15.6932, 0.5401, 0.4094



1.1890, 0.5152, 0.4291

Inverse Universe

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



24.5061, 0.2012, 0.2075



27.5263, 0.1855, 0.1780



9.5455, 0.1748, 0.1025



13.6879, 0.2982, 0.3170



9.8052, 0.1774, 0.1586



0.8076, 0.1856, 0.1881

Previews

White Background



This preview shows how the Yxy color 33.6969, 0.4787, 0.4140 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 33.6969, 0.4787, 0.4140 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 33.6969, 0.4787, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 33.6969, 0.4787, 0.4140.



This preview shows how white text looks on a background with the Yxy color 33.6969, 0.4787, 0.4140.

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

33.6969, 0.4787, 0.4140

Protanopia

33.9493, 0.4129, 0.4543

Deuteranopia

33.8439, 0.4478, 0.4404



Tritanopia

33.8140, 0.4077, 0.3185

Trichromacy



Original Color

33.6969, 0.4787, 0.4140

Protanomaly

33.5685, 0.4376, 0.4392

Deuteranomaly

33.7006, 0.4593, 0.4306

Tritanomaly

33.5700, 0.4378, 0.3566

Monochromacy



Original Color

33.6969, 0.4787, 0.4140

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.1981, 0.3720, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6969, 0.4787, 0.4140 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(218, 139, 60)` looks like.

```
.text, #text, p{  
    color:rgb(218, 139, 60)  
}
```

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(218, 139, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 139, 60) }
```

Border

The CSS property to change the border of an element to Yxy 33.6969, 0.4787, 0.4140 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(218, 139, 60) }
```

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

```
.border{ border-color:rgb(218, 139, 60) }
```

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

Here you see how a box with a 4 pixel rgb(218, 139, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 139, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 139, 60);  
box-shadow:4px 4px 4px 4px rgb(218, 139,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6969, 0.4787, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 139, 60) }
```

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

```
.background{ background-color: rgb(218,  
139, 60) }
```

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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