

Converting Colors

$Y_{xy}(33.8574, 0.4235, 0.4725)$

Have a look what the booklet for
Yxy(33.8574, 0.4235, 0.4725)
contains.

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Color

Yxy(33.6419, 0.4236, 0.4726)

Conversions

Conversions Part 1

Format	Color
Hex	AE9E2D
RGB	174, 158, 45
RGB Percent	68%, 62%, 18%
CMY	0.3177, 0.3804, 0.8234
CMYK	0.00, 0.09, 0.74, 0.32
HSL	53°, 59%, 43%
HSV	53°, 74%, 68%
XYZ	30.1538, 33.6419, 7.3890
YIQ	149.9020, 45.8090, -31.7510

Conversions

Conversions Part 2

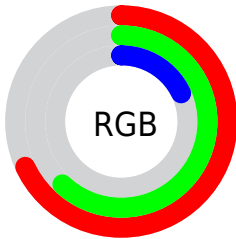
Format	Color
RYB	63, 174, 45
Decimal	11443757
CIELab	64.68, -6.73, 57.52
CIELCh	65, 57.914, 96.677
Yxy	33.6419, 0.4236, 0.4726
Android (android.graphics.Color)	4289633837 (0xFFAE9E2D)
YUV	149.9020, -51.7167, 21.1339
Hunter-Lab	58.0016, -8.7044, 33.0480

Details

The Yxy color **33.6419, 0.4236, 0.4726** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.9512, 0.1786, 0.1195**, and the grayscale version is **30.6657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1436, 0.4061, 0.4478**, and **14.3669, 0.4360, 0.4921** is the 20% darker color. If you saturate the color by 10%, you get **32.8070, 0.4330, 0.4812**, and if you desaturate by 10%, it is **34.5481, 0.4117, 0.4598**.

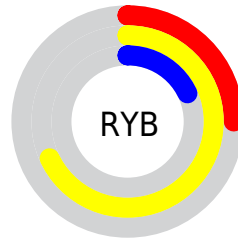
Distribution



Red (68%)

Green (62%)

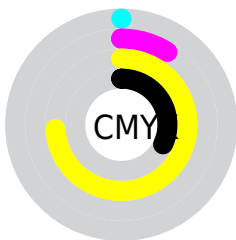
Blue (18%)



Red (25%)

Yellow (68%)

Blue (18%)

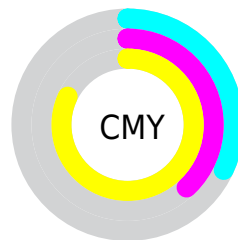


Cyan (0%)

Magenta (9%)

Yellow (74%)

Black (32%)



Cyan (32%)


Magenta (38%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6419, 0.4236, 0.4726 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 33.6419, 0.4236, 0.4726 by changing the saturation by 10% instead.


 33.6419, 0.4236,
0.4726


 33.6419, 0.4236,
0.4726


318.5323, 0.3711,
0.4013


 22.6186, 0.4338,
0.4880


 65.3764, 0.4063,
0.4480

 14.3122, 0.4443,
0.5055


 86.8564, 0.3991,
0.4382

 8.3381, 0.4592,
0.5307


 112.5908, 0.3929,
0.4298

 4.3120, 0.4580,
0.5420

 142.9640, 0.3874,
0.4226

 1.8496, 0.4483,
0.5517

 178.3604, 0.3826,
0.4162

 0.5178, 0.3876,
0.6124

 219.1643, 0.3783,

 0.0000, 0.0000,

0.4107

0.0000

265.7601, 0.3745,
0.4057

■ 33.6419, 0.4236,
0.4726

■ 33.6419, 0.4236,
0.4726

■ 32.8070, 0.4330,
0.4812

■ 34.5481, 0.4117,
0.4598

■ 32.0313, 0.4397,
0.4854

■ 35.5269, 0.3977,
0.4434

■ 31.5939, 0.4428,
0.4866

■ 36.5853, 0.3824,
0.4242

■ 37.7280, 0.3663,
0.4031

■ 38.9594, 0.3500,
0.3812

■ 40.2834, 0.3340,
0.3592

■ 41.7038, 0.3188,
0.3376

■ 43.2241, 0.3044,
0.3170

■ 44.8476, 0.2911,
0.2976

Harmonies

Analogous

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



33.6419, 0.4781, 0.4153



33.6419, 0.4236, 0.4726



33.6419, 0.3443, 0.4961

Triad

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



33.6419, 0.4236, 0.4726



33.6419, 0.1654, 0.2675



33.6419, 0.3487, 0.2394

Complementary

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



33.6419, 0.4236, 0.4726



6.9512, 0.1786, 0.1195

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.



33.6419, 0.2606, 0.2063



33.6419, 0.4236, 0.4726



33.6419, 0.1666, 0.2150

Square

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



33.6419, 0.4236, 0.4726



33.6419, 0.1968, 0.3562



33.6419, 0.1981, 0.1968



33.6419, 0.4370, 0.2905

Rectangle

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



33.6419, 0.4236, 0.4726



33.6419, 0.2879, 0.4749



33.6419, 0.1981, 0.1968



33.6419, 0.3175, 0.2260

Sweetspot

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



33.6435, 0.4236, 0.4726



71.0870, 0.3472, 0.3774



11.2257, 0.5318, 0.3098



15.6632, 0.3515, 0.3832



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6435, 0.4236, 0.4726



58.6010, 0.4376, 0.4844



34.9445, 0.3618, 0.5199



9.1583, 0.3266, 0.3487



22.9788, 0.4425, 0.4868



0.6857, 0.4346, 0.4931

Inverse Universe

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



6.9512, 0.1786, 0.1195



8.0294, 0.1591, 0.0829



7.2253, 0.2135, 0.1185



7.9112, 0.2986, 0.3085



2.6701, 0.1530, 0.0708



0.1234, 0.1637, 0.1091

Previews

White Background



This preview shows how the Yxy color 33.6419, 0.4236, 0.4726 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 Xy color 33.6419, 0.4236, 0.4726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

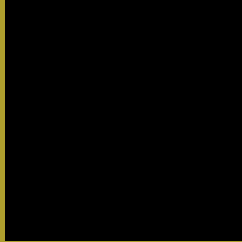
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6419, 0.4236, 0.4726

Background



This preview shows how black text looks on a background with the Yxy color 33.6419, 0.4236, 0.4726.



This preview shows how white text looks on a background with the Yxy color 33.6419, 0.4236, 0.4726.

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

33.6419, 0.4236, 0.4726

Protanopia

33.5335, 0.4267, 0.4702

Deuteranopia

33.5870, 0.4547, 0.4449



Tritanopia

33.4379, 0.3385, 0.3125

Trichromacy



Original Color

33.6419, 0.4236, 0.4726

Protanomaly

33.4174, 0.4257, 0.4709

Deuteranomaly

33.4887, 0.4439, 0.4540

Tritanomaly

33.1445, 0.3764, 0.3762

Monochromacy



Original Color

33.6419, 0.4236, 0.4726

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3232, 0.3586, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6419, 0.4236, 0.4726 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(174, 158, 45)` looks like.

```
.text, #text, p{  
    color:rgb(174, 158, 45)  
}
```

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(174, 158, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 158, 45) }
```

Border

The CSS property to change the border of an element to Yxy 33.6419, 0.4236, 0.4726 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(174, 158, 45) }
```

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

```
.border{ border-color:rgb(174, 158, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 158, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 158, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 158, 45);  
box-shadow:4px 4px 4px 4px rgb(174, 158,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6419, 0.4236, 0.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 158, 45) }
```

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

```
.background{ background-color: rgb(174,  
158, 45) }
```

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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