

Converting Colors

$Y_{xy}(34.8769, 0.4234, 0.4307)$

Have a look what the booklet for
Yxy(34.8769, 0.4234, 0.4307)
contains.

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Color

Yxy(34.9116, 0.4233, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	BE9B4C
RGB	190, 155, 76
RGB Percent	75%, 61%, 30%
CMY	0.2548, 0.3922, 0.7020
CMYK	0.00, 0.18, 0.60, 0.25
HSL	42°, 47%, 52%
HSV	42°, 60%, 75%
XYZ	34.2640, 34.9116, 11.7694
YIQ	156.4590, 46.2190, -17.1490

Conversions

Conversions Part 2

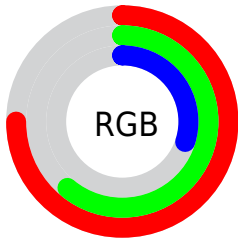
Format	Color
RYB	127, 190, 76
Decimal	12491596
CIELab	65.68, 3.78, 45.56
CIELCh	66, 45.713, 85.251
Yxy	34.9116, 0.4233, 0.4313
Android (android.graphics.Color)	4290681676 (0xFFBE9B4C)
YUV	156.4590, -39.6663, 29.4155
Hunter-Lab	59.0860, 0.1117, 29.5502

Details

The Yxy color **34.9116, 0.4233, 0.4313** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.6272, 0.2099, 0.1943**, and the grayscale version is **33.6284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2730, 0.4041, 0.4138**, and **15.0391, 0.4528, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **32.7911, 0.4425, 0.4430**, and if you desaturate by 10%, it is **37.2074, 0.4032, 0.4165**.

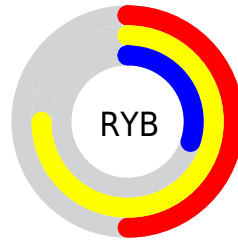
Distribution



Red (75%)

Green (61%)

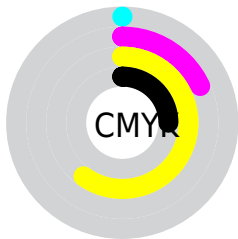
Blue (30%)



Red (50%)

Yellow (75%)

Blue (30%)

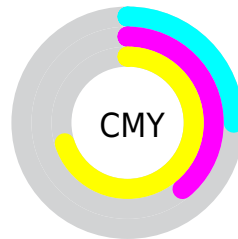


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (25%)



Cyan (25%)


Magenta (39%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9116, 0.4233, 0.4313 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 34.9116, 0.4233, 0.4313 by changing the saturation by 10% instead.


 34.9116, 0.4233,
0.4313


 34.9116, 0.4233,
0.4313


324.1780, 0.3677,
0.3810


 23.5948, 0.4362,
0.4425


 67.3488, 0.4036,
0.4138

 15.0333, 0.4518,
0.4556


 89.2380, 0.3960,
0.4069

 8.8428, 0.4701,
0.4702


 115.4201, 0.3895,
0.4010

 4.6388, 0.5029,
0.4971

 146.2795, 0.3839,
0.3959

 2.0369, 0.5078,
0.4922

 182.2005, 0.3790,
0.3915

 0.6288, 0.5232,
0.4768

223.5677, 0.3748,

 0.0000, 0.0000,

0.3876

0.0000

270.7654, 0.3710,
0.3841

■ 34.9116, 0.4233,
0.4313

■ 34.9116, 0.4233,
0.4313

■ 32.7911, 0.4425,
0.4430

■ 37.2074, 0.4032,
0.4165

■ 30.8324, 0.4598,
0.4506

■ 39.6810, 0.3831,
0.3996

■ 29.0275, 0.4744,
0.4534

■ 42.3409, 0.3636,
0.3818

■ 27.3591, 0.4864,
0.4520

■ 45.1935, 0.3452,
0.3637

■ 48.2447, 0.3282,
0.3460

■ 51.5002, 0.3127,
0.3290

■ 54.9652, 0.2987,
0.3130

■ 58.6449, 0.2862,
0.2982

■ 62.5442, 0.2750,
0.2844

Harmonies

Analogous

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



34.9116, 0.4517, 0.3836



34.9116, 0.4233, 0.4313



34.9116, 0.3667, 0.4577

Triad

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



34.9116, 0.4233, 0.4313



34.9116, 0.2004, 0.3067



34.9116, 0.3142, 0.2439

Complementary

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



34.9116, 0.4233, 0.4313



16.6272, 0.2099, 0.1943

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.



34.9116, 0.2497, 0.2235



34.9116, 0.4233, 0.4313



34.9116, 0.1902, 0.2520

Square

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



34.9116, 0.4233, 0.4313



34.9116, 0.2384, 0.3801



34.9116, 0.2070, 0.2250



34.9116, 0.3859, 0.2818

Rectangle

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



34.9116, 0.4233, 0.4313



34.9116, 0.3216, 0.4523



34.9116, 0.2070, 0.2250



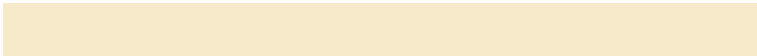
34.9116, 0.2909, 0.2349

Sweetspot

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



34.9133, 0.4233, 0.4313



82.8027, 0.3422, 0.3606



17.2900, 0.4362, 0.2819



17.8360, 0.3474, 0.3659



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



34.9133, 0.4233, 0.4313



58.2577, 0.4482, 0.4459



45.8033, 0.3774, 0.4787



10.6125, 0.3272, 0.3448



18.3329, 0.4853, 0.4529



0.8289, 0.4660, 0.4682

Inverse Universe

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



16.6272, 0.2099, 0.1943



22.4155, 0.1892, 0.1600



11.4230, 0.2146, 0.1459



9.6905, 0.2984, 0.3126



4.6318, 0.1621, 0.1034



0.3008, 0.1761, 0.1540

Previews

White Background



This preview shows how the Yxy color 34.9116, 0.4233, 0.4313 looks on a white background.

Color Contrast Check

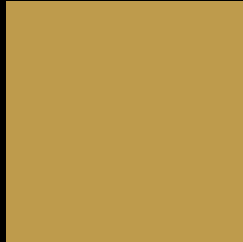
Large Text (above 18pt) WCAG AA × Fail

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 34.9116, 0.4233, 0.4313 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 34.9116, 0.4233, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 34.9116, 0.4233, 0.4313.



This preview shows how white text looks on a background with the Yxy color 34.9116, 0.4233, 0.4313.

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

34.9116, 0.4233, 0.4313

Protanopia

35.0388, 0.4040, 0.4413

Deuteranopia

34.8626, 0.4323, 0.4234



Tritanopia

34.8624, 0.3555, 0.3146

Trichromacy



Original Color

34.9116, 0.4233, 0.4313

Protanomaly

34.9346, 0.4116, 0.4376

Deuteranomaly

34.7876, 0.4284, 0.4260

Tritanomaly

34.5227, 0.3821, 0.3575

Monochromacy



Original Color

34.9116, 0.4233, 0.4313

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.6341, 0.3525, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9116, 0.4233, 0.4313 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(190, 155, 76)` looks like.

```
.text, #text, p{  
    color:rgb(190, 155, 76)  
}
```

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(190, 155, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 155, 76) }
```

Border

The CSS property to change the border of an element to Yxy 34.9116, 0.4233, 0.4313 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(190, 155, 76) }
```

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

```
.border{ border-color:rgb(190, 155, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 155, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 155, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 155, 76);  
box-shadow:4px 4px 4px 4px rgb(190, 155,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9116, 0.4233, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 155, 76) }
```

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

```
.background{ background-color: rgb(190,  
155, 76) }
```

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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