

Converting Colors

$Y_{xy}(34.1012, 0.4119, 0.4506)$

Have a look what the booklet for
Yxy(34.1012, 0.4119, 0.4506)
contains.

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Color

Yxy(34.1012, 0.4119, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	B09E44
RGB	176, 158, 68
RGB Percent	69%, 62%, 27%
CMY	0.3099, 0.3804, 0.7334
CMYK	0.00, 0.10, 0.61, 0.31
HSL	50°, 44%, 48%
HSV	50°, 61%, 69%
XYZ	31.1724, 34.1012, 10.4059
YIQ	153.1220, 39.6180, -24.1740

Conversions

Conversions Part 2

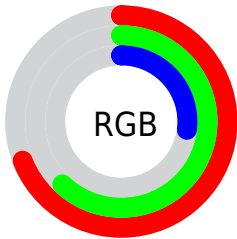
Format	Color
RYB	90, 176, 68
Decimal	11574852
CIELab	65.04, -4.51, 48.29
CIELCh	65, 48.499, 95.338
Yxy	34.1012, 0.4119, 0.4506
Android (android.graphics.Color)	4289764932 (0xFFB09E44)
YUV	153.1220, -41.9651, 20.0640
Hunter-Lab	58.3962, -6.9086, 30.3122

Details

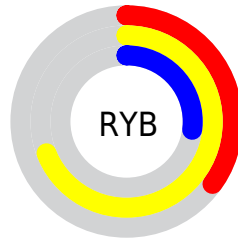
The Yxy color **34.1012, 0.4119, 0.4506** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.0130, 0.2020, 0.1643**, and the grayscale version is **32.0843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9355, 0.3950, 0.4279**, and **14.6094, 0.4357, 0.4817** is the 20% darker color. If you saturate the color by 10%, you get **32.9316, 0.4258, 0.4640**, and if you desaturate by 10%, it is **35.3623, 0.3963, 0.4339**.

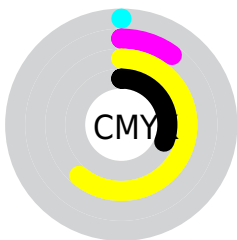
Distribution



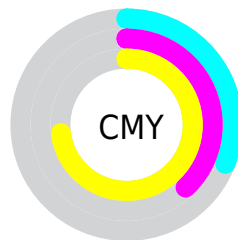
- Red (69%)
- Green (62%)
- Blue (27%)



- Red (35%)
- Yellow (69%)
- Blue (27%)



- Cyan (0%)
- Magenta (10%)
- Yellow (61%)
- Black (31%)




- Cyan (31%)
- Magenta (38%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1012, 0.4119, 0.4506 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 34.1012, 0.4119, 0.4506 by changing the saturation by 10% instead.

 34.1012, 0.4119,
0.4506


 34.1012, 0.4119,
0.4506


 320.5831, 0.3631,
0.3891


 22.9714, 0.4226,
0.4649


 66.0910, 0.3950,
0.4287


 14.5724, 0.4349,
0.4819


 87.7198, 0.3883,
0.4203


 8.5198, 0.4482,
0.5018


 113.6170, 0.3826,
0.4131

 4.4293, 0.4680,
0.5320

 144.1670, 0.3776,
0.4070

 1.9165, 0.4616,
0.5384

 179.7542, 0.3733,
0.4016

 0.5583, 0.4296,
0.5704

220.7630, 0.3695,

 0.0000, 0.0000,

0.3969

0.0000

267.5778, 0.3661,
0.3928

■ 34.1012, 0.4119,
0.4506

■ 34.1012, 0.4119,
0.4506

■ 32.9316, 0.4258,
0.4640

■ 35.3623, 0.3963,
0.4339

■ 31.8426, 0.4373,
0.4732

■ 36.7156, 0.3797,
0.4148

■ 30.8285, 0.4461,
0.4780

■ 38.1674, 0.3627,
0.3942

■ 30.0003, 0.4520,
0.4793

■ 39.7223, 0.3460,
0.3731

■ 41.3843, 0.3299,
0.3521

■ 43.1573, 0.3147,
0.3317

■ 45.0450, 0.3006,
0.3124

■ 47.0507, 0.2877,
0.2943

■ 49.1778, 0.2759,
0.2775

Harmonies

Analogous

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



34.1012, 0.4548, 0.4041



34.1012, 0.4119, 0.4506



34.1012, 0.3454, 0.4672

Triad

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



34.1012, 0.4119, 0.4506



34.1012, 0.1868, 0.2819



34.1012, 0.3401, 0.2505

Complementary

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



34.1012, 0.4119, 0.4506



11.0130, 0.2020, 0.1643

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.



34.1012, 0.2664, 0.2223



34.1012, 0.4119, 0.4506



34.1012, 0.1860, 0.2340

Square

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



34.1012, 0.4119, 0.4506



34.1012, 0.2168, 0.3564



34.1012, 0.2129, 0.2155



34.1012, 0.4137, 0.2951

Rectangle

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



34.1012, 0.4119, 0.4506



34.1012, 0.2971, 0.4497



34.1012, 0.2129, 0.2155



34.1012, 0.3142, 0.2390

Sweetspot

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



34.1028, 0.4119, 0.4506



72.9537, 0.3410, 0.3666



14.0333, 0.4701, 0.3047



15.6281, 0.3457, 0.3726



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.



34.1028, 0.4119, 0.4506



58.9433, 0.4306, 0.4681



37.0374, 0.3622, 0.4900



9.6610, 0.3267, 0.3478



22.0885, 0.4516, 0.4797



0.7588, 0.4412, 0.4879

Inverse Universe

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



11.0130, 0.2020, 0.1643



13.6053, 0.1789, 0.1245



10.2094, 0.2294, 0.1501



8.4512, 0.2985, 0.3094



3.0154, 0.1545, 0.0763



0.1645, 0.1670, 0.1210

Previews

White Background



This preview shows how the Yxy color 34.1012, 0.4119, 0.4506 looks on a white background.

Color Contrast Check

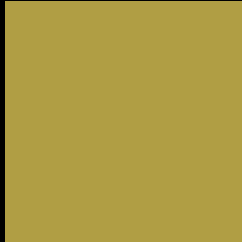
Large Text (above 18pt) WCAG AA × Fail

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 34.1012, 0.4119, 0.4506 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 34.1012, 0.4119, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 34.1012, 0.4119, 0.4506.



This preview shows how white text looks on a background with the Yxy color 34.1012, 0.4119, 0.4506.

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

34.1012, 0.4119, 0.4506

Protanopia

34.1012, 0.4119, 0.4506

Deuteranopia

33.9907, 0.4386, 0.4287



Tritanopia

33.9082, 0.3383, 0.3126

Trichromacy



Original Color

34.1012, 0.4119, 0.4506

Protanomaly

34.1012, 0.4119, 0.4506

Deuteranomaly

34.0310, 0.4293, 0.4368

Tritanomaly

33.8125, 0.3679, 0.3646

Monochromacy



Original Color

34.1012, 0.4119, 0.4506

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4249, 0.3503, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1012, 0.4119, 0.4506 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(176, 158, 68)` looks like.

```
.text, #text, p{  
    color:rgb(176, 158, 68)  
}
```

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(176, 158, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 158, 68) }
```

Border

The CSS property to change the border of an element to Yxy 34.1012, 0.4119, 0.4506 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(176, 158, 68) }
```

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

```
.border{ border-color:rgb(176, 158, 68) }
```

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

Here you see how a box with a 4 pixel rgb(176, 158, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 158, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 158, 68);  
box-shadow:4px 4px 4px 4px rgb(176, 158,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1012, 0.4119, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 158, 68) }
```

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

```
.background{ background-color: rgb(176,  
158, 68) }
```

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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