

Converting Colors

$Yxy(34.9306, 0.4113, 0.5037)$

Have a look what the booklet for
Yxy(34.9306, 0.4113, 0.5037)
contains.

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Color

Yxy(34.9000, 0.4109, 0.5039)

Conversions

Conversions Part 1

Format	Color
Hex	A1A614
RGB	161, 166, 20
RGB Percent	63%, 65%, 8%
CMY	0.3687, 0.3490, 0.9213
CMYK	0.03, 0.00, 0.88, 0.35
HSL	62°, 78%, 36%
HSV	62°, 88%, 65%
XYZ	28.4588, 34.9000, 5.9009
YIQ	147.8610, 43.8860, -46.4660

Conversions

Conversions Part 2

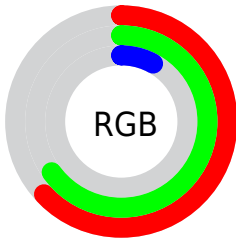
Format	Color
R _Y B	20, 166, 25
Decimal	10593812
CIE Lab	65.67, -17.53, 65.13
CIE LCh	66, 67.443, 105.065
Yxy	34.9000, 0.4109, 0.5039
Android (android.graphics.Color)	4288783892 (0xFFA1A614)
YUV	147.8610, -63.0355, 11.5229
Hunter-Lab	59.0762, -17.3944, 35.4311

Details

The Yxy color **34.9000, 0.4109, 0.5039** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.4639, 0.1592, 0.0732**, and the grayscale version is **29.8106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3975, 0.3981, 0.4738**, and **15.0379, 0.4061, 0.5157** is the 20% darker color. If you saturate the color by 10%, you get **34.7993, 0.4130, 0.5090**, and if you desaturate by 10%, it is **35.0418, 0.4065, 0.4950**.

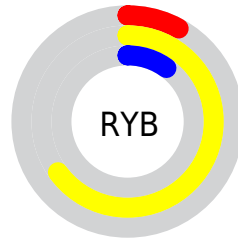
Distribution



Red (63%)

Green (65%)

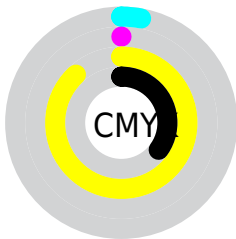
Blue (8%)



Red (8%)

Yellow (65%)

Blue (10%)

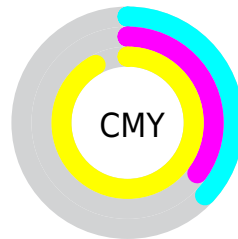


Cyan (3%)

Magenta (0%)

Yellow (88%)

Black (35%)



Cyan (37%)


Magenta (35%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9000, 0.4109, 0.5039 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 34.9000, 0.4109, 0.5039 by changing the saturation by 10% instead.


 34.9000, 0.4109,
0.5039


 34.9000, 0.4109,
0.5039


324.1267, 0.3684,
0.4165


 23.5859, 0.4170,
0.5228


 67.3308, 0.3983,
0.4737

 15.0267, 0.4214,
0.5441


 89.2163, 0.3926,
0.4617


 8.8381, 0.4264,
0.5736


 115.3943, 0.3874,
0.4514

 4.6357, 0.4112,
0.5888

 146.2493, 0.3828,
0.4425

 2.0352, 0.3863,
0.6137

 182.1656, 0.3786,
0.4347

 0.6278, 0.2119,
0.7881

 223.5277, 0.3748,

 0.0000, 0.0000,

0.4279

0.0000

270.7200, 0.3714,
0.4218

■ 34.9000, 0.4109,
0.5039

■ 34.9000, 0.4109,
0.5039

■ 34.7993, 0.4130,
0.5090

■ 35.0418, 0.4065,
0.4950

■ 34.7793, 0.4134,
0.5100

■ 35.2296, 0.3996,
0.4819

■ 35.4707, 0.3903,
0.4649

■ 35.7699, 0.3790,
0.4445

■ 36.1317, 0.3661,
0.4218

■ 36.5599, 0.3523,
0.3975

■ 37.0583, 0.3380,
0.3726

■ 37.6300, 0.3237,
0.3480

■ 38.2784, 0.3099,
0.3241

Harmonies

Analogous

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



34.9000, 0.4845, 0.4411



34.9000, 0.4109, 0.5039



34.9000, 0.3182, 0.5183

Triad

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



34.9000, 0.4109, 0.5039



34.9000, 0.1453, 0.2365



34.9000, 0.3834, 0.2424

Complementary

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



34.9000, 0.4109, 0.5039



3.4639, 0.1592, 0.0732

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.



34.9000, 0.2783, 0.1999



34.9000, 0.4109, 0.5039



34.9000, 0.1563, 0.1914

Square

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



34.9000, 0.4109, 0.5039



34.9000, 0.1680, 0.3265



34.9000, 0.1997, 0.1816



34.9000, 0.4775, 0.3019

Rectangle

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



34.9000, 0.4109, 0.5039



34.9000, 0.2566, 0.4786



34.9000, 0.1997, 0.1816



34.9000, 0.3471, 0.2259

Sweetspot

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



34.9016, 0.4109, 0.5039



66.4673, 0.3503, 0.3940



8.8509, 0.6097, 0.3331



14.8119, 0.3550, 0.4022



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



34.9016, 0.4109, 0.5039



63.0949, 0.4133, 0.5100



29.4091, 0.3384, 0.5589



8.7605, 0.3257, 0.3514



26.9712, 0.4135, 0.5099



0.6601, 0.4155, 0.5083

Inverse Universe

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



3.4639, 0.1592, 0.0732



5.0449, 0.1509, 0.0605



5.8474, 0.2228, 0.1071



7.3124, 0.2991, 0.3057



2.1678, 0.1514, 0.0608



0.0565, 0.1577, 0.0642

Previews

White Background



This preview shows how the Yxy color 34.9000, 0.4109, 0.5039 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 34.9000, 0.4109, 0.5039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

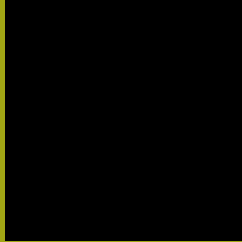
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9000, 0.4109, 0.5039

Background



This preview shows how black text looks on a background with the Yxy color 34.9000, 0.4109, 0.5039.



This preview shows how white text looks on a background with the Yxy color 34.9000, 0.4109, 0.5039.

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

34.9000, 0.4109, 0.5039

Protanopia

34.8886, 0.4373, 0.4843

Deuteranopia

34.6550, 0.4644, 0.4544



Tritanopia

34.6350, 0.3194, 0.3121

Trichromacy



Original Color

34.9000, 0.4109, 0.5039

Protanomaly

34.7719, 0.4277, 0.4913

Deuteranomaly

34.2999, 0.4452, 0.4720

Tritanomaly

33.9708, 0.3652, 0.3957

Monochromacy



Original Color

34.9000, 0.4109, 0.5039

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.1546, 0.3615, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9000, 0.4109, 0.5039 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(161, 166, 20)` looks like.

```
.text, #text, p{  
    color:rgb(161, 166, 20)  
}
```

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(161, 166, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 166, 20) }
```

Border

The CSS property to change the border of an element to Yxy 34.9000, 0.4109, 0.5039 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(161, 166, 20) }
```

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

```
.border{ border-color:rgb(161, 166, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 166, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 166, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 166, 20);  
box-shadow:4px 4px 4px 4px rgb(161, 166,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9000, 0.4109, 0.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 166, 20) }
```

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

```
.background{ background-color: rgb(161,  
166, 20) }
```

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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