

Converting Colors

$Y_{xy}(37.1191, 0.4139, 0.5139)$

Have a look what the booklet for
Yxy(37.1191, 0.4139, 0.5139)
contains.

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Color

Yxy(37.0183, 0.4123, 0.5109)

Conversions

Conversions Part 1

Format	Color
Hex	A4AB00
RGB	164, 171, 0
RGB Percent	64%, 67%, 0%
CMY	0.3568, 0.3294, 1.0000
CMYK	0.04, 0.00, 1.00, 0.33
HSL	62°, 100%, 34%
HSV	62°, 100%, 67%
XYZ	29.8740, 37.0183, 5.5647
YIQ	149.4130, 50.7190, -54.6650

Conversions

Conversions Part 2

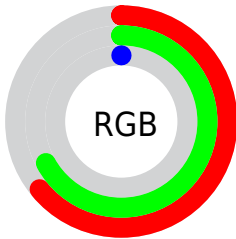
Format	Color
R _Y B	0, 171, 7
Decimal	10791680
CIE Lab	67.29, -19.06, 69.38
CIE LCh	67, 71.954, 105.358
Yxy	37.0183, 0.4123, 0.5109
Android (android.graphics.Color)	4288981760 (0xFFA4AB00)
YUV	149.4130, -73.6606, 12.7928
Hunter-Lab	60.8427, -18.8303, 37.1672

Details

The Yxy color **37.0183, 0.4123, 0.5109** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9854, 0.1514, 0.0608**, and the grayscale version is **30.5412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6165, 0.4008, 0.4800**, and **16.3818, 0.4038, 0.5176** is the 20% darker color. If you saturate the color by 10%, you get **37.0204, 0.4123, 0.5109**, and if you desaturate by 10%, it is **37.1358, 0.4105, 0.5061**.

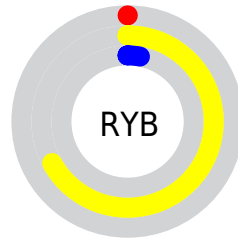
Distribution



Red (64%)

Green (67%)

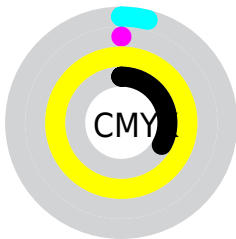
Blue (0%)



Red (0%)

Yellow (67%)

Blue (3%)

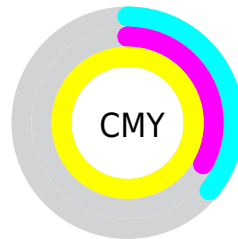


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (36%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0183, 0.4123, 0.5109 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 37.0183, 0.4123, 0.5109 by changing the saturation by 10% instead.


 37.0183, 0.4123,
0.5109


 37.0183, 0.4123,
0.5109


333.3897, 0.3708,
0.4215

 25.2217, 0.4176,
0.5295


 70.6009, 0.4005,
0.4805

 16.2423, 0.4209,
0.5503


 93.1557, 0.3950,
0.4683


 9.6958, 0.4230,
0.5770


 120.0653, 0.3899,
0.4577

 5.1977, 0.4076,
0.5924

 151.7142, 0.3853,
0.4486

 2.3637, 0.3827,
0.6173

 188.4866, 0.3811,
0.4405

 0.8071, 0.2723,
0.7277

 230.7671, 0.3773,

 0.0000, 0.0000,

0.4334

0.0000

278.9400, 0.3739,
0.4271

37.0183, 0.4123,
0.5109

37.0183, 0.4123,
0.5109

37.0204, 0.4123,
0.5109

37.1358, 0.4105,
0.5061

37.2866, 0.4068,
0.4981

37.4870, 0.4006,
0.4857

37.7434, 0.3919,
0.4694

38.0612, 0.3811,
0.4495

■ 38.4453, 0.3686,
0.4270

■ 38.8998, 0.3550,
0.4029

■ 39.4289, 0.3409,
0.3780

■ 40.0361, 0.3266,
0.3531

Harmonies

Analogous

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



37.0183, 0.4897, 0.4442



37.0183, 0.4123, 0.5109



37.0183, 0.3161, 0.5276

Triad

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



37.0183, 0.4123, 0.5109



37.0183, 0.1395, 0.2314



37.0183, 0.3875, 0.2395

Complementary

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



37.0183, 0.4123, 0.5109



2.9854, 0.1514, 0.0608

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.



37.0183, 0.2775, 0.1957



37.0183, 0.4123, 0.5109



37.0183, 0.1512, 0.1860

Square

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



37.0183, 0.4123, 0.5109



37.0183, 0.1620, 0.3245



37.0183, 0.1960, 0.1766



37.0183, 0.4857, 0.3007

Rectangle

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



37.0183, 0.4123, 0.5109



37.0183, 0.2525, 0.4857



37.0183, 0.1960, 0.1766



37.0183, 0.3494, 0.2225

Sweetspot

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



37.0204, 0.4123, 0.5109



69.6197, 0.3557, 0.4042



8.7819, 0.6374, 0.3321



15.4483, 0.3614, 0.4142



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.0204, 0.4123, 0.5109



66.2768, 0.4121, 0.5110



30.8233, 0.3326, 0.5741



9.3133, 0.3257, 0.3515



27.9131, 0.4123, 0.5108



0.7815, 0.4146, 0.5090

Inverse Universe

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



2.9854, 0.1514, 0.0608



5.3244, 0.1510, 0.0606



5.1747, 0.2095, 0.0928



7.7723, 0.2992, 0.3056



2.2562, 0.1516, 0.0609



0.0677, 0.1586, 0.0647

Previews

White Background



This preview shows how the Yxy color 37.0183, 0.4123, 0.5109 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 37.0183, 0.4123, 0.5109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

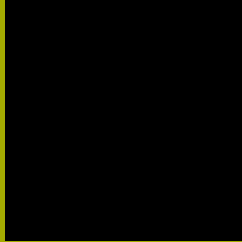
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0183, 0.4123, 0.5109

Background



This preview shows how black text looks on a background with the Yxy color 37.0183, 0.4123, 0.5109.



This preview shows how white text looks on a background with the Yxy color 37.0183, 0.4123, 0.5109.

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

37.0183, 0.4123, 0.5109

Protanopia

36.8652, 0.4408, 0.4882

Deuteranopia

36.7872, 0.4672, 0.4565



Tritanopia

36.9667, 0.3183, 0.3125

Trichromacy



Original Color

37.0183, 0.4123, 0.5109

Protanomaly

36.9845, 0.4295, 0.4972

Deuteranomaly

36.6066, 0.4475, 0.4771

Tritanomaly

36.0692, 0.3708, 0.4069

Monochromacy



Original Color

37.0183, 0.4123, 0.5109

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.8102, 0.3671, 0.4254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0183, 0.4123, 0.5109 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(164, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 171, 0)  
}
```

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(164, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.0183, 0.4123, 0.5109 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(164, 171, 0) }
```

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

```
.border{ border-color:rgb(164, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0183, 0.4123, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 171, 0) }
```

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

```
.background{ background-color: rgb(164,  
171, 0) }
```

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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