

Converting Colors

$Yxy(39.8187, 0.4095, 0.4914)$

Have a look what the booklet for
Yxy(39.8187, 0.4095, 0.4914)
contains.

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Color

Yxy(39.8187, 0.4095, 0.4914)

Conversions

Conversions Part 1

Format	Color
Hex	AEAF29
RGB	174, 175, 41
RGB Percent	68%, 69%, 16%
CMY	0.3177, 0.3137, 0.8394
CMYK	0.01, 0.00, 0.77, 0.31
HSL	60°, 62%, 42%
HSV	60°, 77%, 69%
XYZ	33.1822, 39.8187, 8.0302
YIQ	159.4250, 42.4180, -41.8860

Conversions

Conversions Part 2

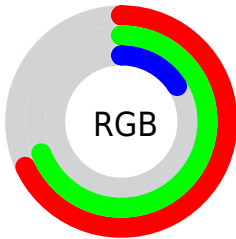
Format	Color
RYB	41, 175, 42
Decimal	11448105
CIELab	69.34, -15.78, 63.27
CIELCh	69, 65.204, 104.004
Yxy	39.8187, 0.4095, 0.4914
Android (android.graphics.Color)	4289638185 (0xFFAEAF29)
YUV	159.4250, -58.3835, 12.7823
Hunter-Lab	63.1021, -16.5643, 36.6264

Details

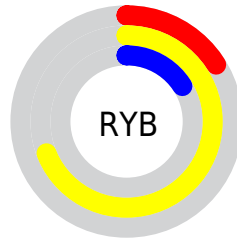
The Yxy color **39.8187, 0.4095, 0.4914** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.1703, 0.1702, 0.0928**, and the grayscale version is **35.1320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6313, 0.3961, 0.4635**, and **18.0175, 0.4125, 0.5107** is the 20% darker color. If you saturate the color by 10%, you get **39.7091, 0.4146, 0.5002**, and if you desaturate by 10%, it is **39.9864, 0.4018, 0.4784**.

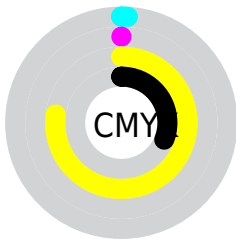
Distribution



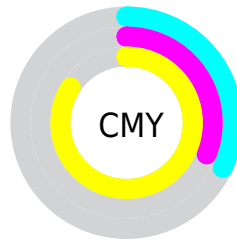
- Red (68%)
- Green (69%)
- Blue (16%)



- Red (16%)
- Yellow (69%)
- Blue (16%)



- Cyan (1%)
- Magenta (0%)
- Yellow (77%)
- Black (31%)





- Cyan (32%)
- Magenta (31%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8187, 0.4095, 0.4914 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 39.8187, 0.4095, 0.4914 by changing the saturation by 10% instead.


 39.8187, 0.4095,
0.4914


 39.8187, 0.4095,
0.4914


345.3588, 0.3671,
0.4114


 27.3972, 0.4165,
0.5088


 74.8874, 0.3965,
0.4638


 17.8718, 0.4227,
0.5287


 98.3033, 0.3908,
0.4529

 10.8580, 0.4292,
0.5545


 126.1529, 0.3857,
0.4435

 5.9714, 0.4247,
0.5753

 158.8205, 0.3811,
0.4353

 2.8277, 0.4064,
0.5936

 196.6905, 0.3770,
0.4282

 1.0425, 0.3644,
0.6356

 240.1473, 0.3734,

 0.0000, 0.0000,

0.4219

0.0000

289.5753, 0.3701,
0.4164

■ 39.8187, 0.4095,
0.4914

■ 39.8187, 0.4095,
0.4914

■ 39.7091, 0.4146,
0.5002

■ 39.9864, 0.4018,
0.4784

■ 39.6430, 0.4173,
0.5050

■ 40.2129, 0.3918,
0.4614

■ 39.6247, 0.4180,
0.5063

■ 40.5056, 0.3798,
0.4411

■ 40.8694, 0.3662,
0.4184

■ 41.3087, 0.3518,
0.3942

■ 41.8277, 0.3370,
0.3694

■ 42.4301, 0.3222,
0.3448

■ 43.1194, 0.3079,
0.3210

■ 43.8989, 0.2944,
0.2984

Harmonies

Analogous

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



39.8187, 0.4763, 0.4343



39.8187, 0.4095, 0.4914



39.8187, 0.3228, 0.5038

Triad

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



39.8187, 0.4095, 0.4914



39.8187, 0.1552, 0.2459



39.8187, 0.3751, 0.2462

Complementary

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



39.8187, 0.4095, 0.4914



5.1703, 0.1702, 0.0928

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.



39.8187, 0.2780, 0.2064



39.8187, 0.4095, 0.4914



39.8187, 0.1644, 0.2010

Square

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



39.8187, 0.4095, 0.4914



39.8187, 0.1788, 0.3314



39.8187, 0.2049, 0.1900



39.8187, 0.4630, 0.3026

Rectangle

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



39.8187, 0.4095, 0.4914



39.8187, 0.2646, 0.4685



39.8187, 0.2049, 0.1900



39.8187, 0.3416, 0.2307

Sweetspot

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



39.8206, 0.4095, 0.4914



74.2540, 0.3471, 0.3863



10.8578, 0.5732, 0.3298



16.4345, 0.3523, 0.3951



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.



39.8206, 0.4095, 0.4914



71.0186, 0.4167, 0.5039



34.0110, 0.3455, 0.5362



9.3270, 0.3262, 0.3514



28.3740, 0.4180, 0.5063



0.7903, 0.4184, 0.5060

Inverse Universe

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



5.1703, 0.1702, 0.0928



6.1272, 0.1535, 0.0655



7.8655, 0.2303, 0.1231



7.7600, 0.2987, 0.3056



2.2240, 0.1503, 0.0602



0.0628, 0.1517, 0.0609

Previews

White Background



This preview shows how the Yxy color 39.8187, 0.4095, 0.4914 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 39.8187, 0.4095, 0.4914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

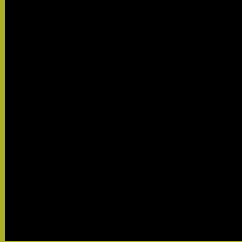
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8187, 0.4095, 0.4914

Background



This preview shows how black text looks on a background with the Yxy color 39.8187, 0.4095, 0.4914.



This preview shows how white text looks on a background with the Yxy color 39.8187, 0.4095, 0.4914.

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

39.8187, 0.4095, 0.4914

Protanopia

39.8498, 0.4303, 0.4764

Deuteranopia

39.7002, 0.4570, 0.4488



Tritanopia

39.6433, 0.3220, 0.3118

Trichromacy



Original Color

39.8187, 0.4095, 0.4914

Protanomaly

39.8486, 0.4225, 0.4824

Deuteranomaly

39.4677, 0.4400, 0.4643

Tritanomaly

38.9935, 0.3621, 0.3847

Monochromacy



Original Color

39.8187, 0.4095, 0.4914

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.0637, 0.3555, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8187, 0.4095, 0.4914 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, 175, 41)` looks like.

```
.text, #text, p{  
    color:rgb(174, 175, 41)  
}
```

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, 175, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 175, 41) }
```

Border

The CSS property to change the border of an element to Yxy 39.8187, 0.4095, 0.4914 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, 175, 41) }
```

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

```
.border{ border-color:rgb(174, 175, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 175, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 175, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 175, 41);  
box-shadow:4px 4px 4px 4px rgb(174, 175,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8187, 0.4095, 0.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 175, 41) }
```

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

```
.background{ background-color: rgb(174,  
175, 41) }
```

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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