

# Converting Colors

$Y_{xy}(39.8959, 0.4113, 0.5014)$

Have a look what the booklet for  
Yxy(39.8959, 0.4113, 0.5014)  
contains.

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**Color**

**Yxy(39.8959, 0.4113, 0.5014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACB01A
RGB	172, 176, 26
RGB Percent	67%, 69%, 10%
CMY	0.3254, 0.3098, 0.8985
CMYK	0.02, 0.00, 0.85, 0.31
HSL	62°, 74%, 40%
HSV	62°, 85%, 69%
XYZ	32.7267, 39.8959, 6.9464
YIQ	157.7040, 45.7660, -47.4980

# Conversions

## Conversions Part 2

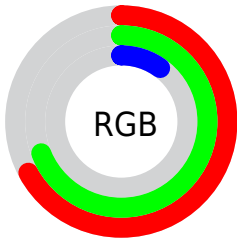
Format	Color
R <sub>Y</sub> B	26, 176, 30
Decimal	11317274
CIE Lab	69.40, -17.63, 67.32
CIE LCh	69, 69.590, 104.679
Yxy	39.8959, 0.4113, 0.5014
Android (android.graphics.Color)	4289507354 (0xFFACB01A)
YUV	157.7040, -64.9301, 12.5376
Hunter-Lab	63.1632, -18.0494, 37.6938

# Details

The Yxy color **39.8959, 0.4113, 0.5014** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.1430, 0.1609, 0.0763**, and the grayscale version is **34.3318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8453, 0.3994, 0.4723**, and **18.0601, 0.4071, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **39.7890, 0.4139, 0.5070**, and if you desaturate by 10%, it is **40.0547, 0.4062, 0.4917**.

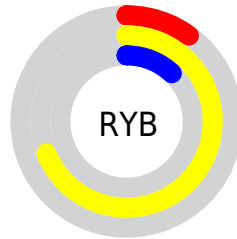
# Distribution



Red (67%)

Green (69%)

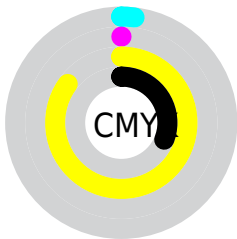
Blue (10%)



Red (10%)

Yellow (69%)

Blue (12%)

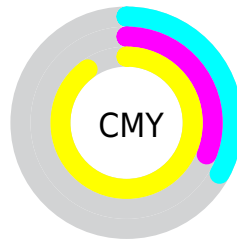


Cyan (2%)

Magenta (0%)

Yellow (85%)

Black (31%)



Cyan (33%)

Magenta (31%)


Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8959, 0.4113, 0.5014 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 39.8959, 0.4113, 0.5014 by changing the saturation by 10% instead.





 39.8959, 0.4113,  
0.5014


 39.8959, 0.4113,  
0.5014


345.6846, 0.3694,  
0.4172

 27.4574, 0.4174,  
0.5192


 75.0050, 0.3989,  
0.4727


 17.9170, 0.4223,  
0.5393


 98.4443, 0.3934,  
0.4612

 10.8904, 0.4293,  
0.5685


 126.3194, 0.3883,  
0.4513

 5.9932, 0.4172,  
0.5828

 159.0146, 0.3837,  
0.4426

 2.8410, 0.3967,  
0.6033

 196.9143, 0.3796,  
0.4350

 1.0493, 0.3472,  
0.6528

 240.4030, 0.3758,

 0.0000, 0.0000,

0.4284

0.0000

289.8649, 0.3725,  
0.4225

■ 39.8959, 0.4113,  
0.5014

■ 39.8959, 0.4113,  
0.5014

■ 39.7890, 0.4139,  
0.5070

■ 40.0547, 0.4062,  
0.4917

■ 39.7461, 0.4147,  
0.5089

■ 40.2677, 0.3985,  
0.4777

■ 40.5432, 0.3885,  
0.4599

■ 40.8866, 0.3766,  
0.4389

■ 41.3029, 0.3633,  
0.4157

■ 41.7964, 0.3491,  
0.3912

■ 42.3713, 0.3345,  
0.3663

■ 43.0314, 0.3202,  
0.3417

■ 43.7802, 0.3062,  
0.3180

# Harmonies

## Analogous

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



39.8959, 0.4835, 0.4394



39.8959, 0.4113, 0.5014



39.8959, 0.3197, 0.5159

# Triad

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



39.8959, 0.4113, 0.5014



39.8959, 0.1471, 0.2386



39.8959, 0.3812, 0.2427

# Complementary

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



39.8959, 0.4113, 0.5014



4.1430, 0.1609, 0.0763

# 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.



39.8959, 0.2776, 0.2008



39.8959, 0.4113, 0.5014



39.8959, 0.1575, 0.1932

# Square

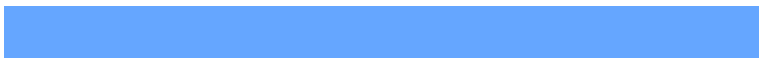
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.8959, 0.4113, 0.5014



39.8959, 0.1702, 0.3282



39.8959, 0.2002, 0.1830



39.8959, 0.4744, 0.3016



# Rectangle

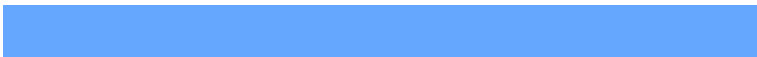
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.8959, 0.4113, 0.5014



39.8959, 0.2586, 0.4774



39.8959, 0.2002, 0.1830



39.8959, 0.3454, 0.2264

# Sweetspot

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



39.8978, 0.4113, 0.5014



75.6918, 0.3507, 0.3941



10.1538, 0.6046, 0.3316



16.3360, 0.3556, 0.4024



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.



39.8978, 0.4113, 0.5014



72.0684, 0.4147, 0.5090



33.7468, 0.3413, 0.5538



9.8949, 0.3259, 0.3515



29.1662, 0.4148, 0.5089



0.9213, 0.4161, 0.5078



# Inverse Universe

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



4.1430, 0.1609, 0.0763



5.7244, 0.1506, 0.0603



6.7790, 0.2224, 0.1088



8.2405, 0.2989, 0.3055



2.3261, 0.1510, 0.0606



0.0767, 0.1553, 0.0629



# Previews

## White Background



This preview shows how the Yxy color 39.8959, 0.4113, 0.5014 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 39.8959, 0.4113, 0.5014 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 39.8959, 0.4113, 0.5014**

## Background



This preview shows how black text looks on a background with the Yxy color 39.8959, 0.4113, 0.5014.



This preview shows how white text looks on a background with the Yxy color 39.8959, 0.4113, 0.5014.

# 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

39.8959, 0.4113, 0.5014

### Protanopia

39.8918, 0.4362, 0.4831

### Deuteranopia

39.7694, 0.4627, 0.4541



## Tritanopia

39.9156, 0.3201, 0.3118

# Trichromacy



## Original Color

39.8959, 0.4113, 0.5014

## Protanomaly

39.7656, 0.4271, 0.4896

## Deuteranomaly

39.3880, 0.4446, 0.4708

## Tritanomaly

39.1137, 0.3652, 0.3931

# Monochromacy



## Original Color

39.8959, 0.4113, 0.5014

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

35.8226, 0.3598, 0.4108

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8959, 0.4113, 0.5014 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(172, 176, 26)` looks like.

```
.text, #text, p{  
    color:rgb(172, 176, 26)  
}
```

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(172, 176, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 176, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8959, 0.4113, 0.5014 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(172, 176, 26) }
```

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

```
.border{ border-color:rgb(172, 176, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 176, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 176, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 176, 26);  
box-shadow:4px 4px 4px 4px rgb(172, 176,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8959, 0.4113, 0.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 176, 26) }
```

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

```
.background{ background-color: rgb(172,  
176, 26) }
```

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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