

Converting Colors

$Y_{xy}(39.8030, 0.4177, 0.5025)$

Have a look what the booklet for
Yxy(39.8030, 0.4177, 0.5025)
contains.

Yxy(39.8030, 0.4177, 0.5025)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8030, 0.4177, 0.5025)

Conversions

Conversions Part 1

Format	Color
Hex	AFAF0D
RGB	175, 175, 13
RGB Percent	69%, 69%, 5%
CMY	0.3136, 0.3137, 0.9488
CMYK	0.00, 0.00, 0.93, 0.31
HSL	60°, 86%, 37%
HSV	60°, 93%, 69%
XYZ	33.0860, 39.8030, 6.3210
YIQ	156.5320, 52.0020, -50.3820

Conversions

Conversions Part 2

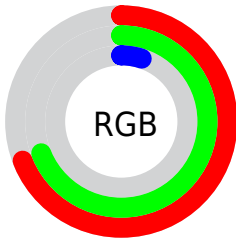
Format	Color
RYB	13, 175, 13
Decimal	11513613
CIELab	69.33, -16.07, 69.68
CIElCh	69, 71.507, 102.988
Yxy	39.8030, 0.4177, 0.5025
Android (android.graphics.Color)	4289703693 (0xFFAFAF0D)
YUV	156.5320, -70.7613, 16.1964
Hunter-Lab	63.0896, -16.7963, 38.2225

Details

The Yxy color **39.8030, 0.4177, 0.5025** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.4718, 0.1538, 0.0663**, and the grayscale version is **33.8069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6953, 0.4048, 0.4743**, and **18.0175, 0.4125, 0.5107** is the 20% darker color. If you saturate the color by 10%, you get **39.7749, 0.4193, 0.5052**, and if you desaturate by 10%, it is **39.8733, 0.4139, 0.4963**.

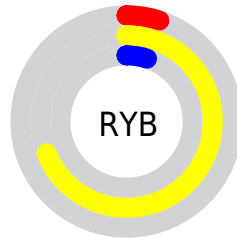
Distribution



Red (69%)

Green (69%)

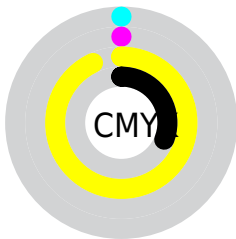
Blue (5%)



Red (5%)

Yellow (69%)

Blue (5%)

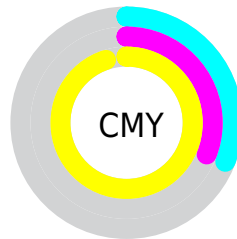


Cyan (0%)

Magenta (0%)

Yellow (93%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8030, 0.4177, 0.5025 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 39.8030, 0.4177, 0.5025 by changing the saturation by 10% instead.


 39.8030, 0.4177,
0.5025


 39.8030, 0.4177,
0.5025


345.2925, 0.3733,
0.4189


 27.3850, 0.4241,
0.5196


 74.8634, 0.4047,
0.4744


 17.8626, 0.4290,
0.5384


 98.2746, 0.3988,
0.4630

 10.8514, 0.4353,
0.5647


 126.1190, 0.3934,
0.4531

 5.9670, 0.4235,
0.5765

 158.7810, 0.3885,
0.4445

 2.8250, 0.4048,
0.5952

 196.6449, 0.3841,
0.4369

 1.0411, 0.3615,
0.6385

 240.0952, 0.3801,

 0.0000, 0.0000,

0.4302

0.0000

289.5163, 0.3765,
0.4242

■ 39.8030, 0.4177,
0.5025

■ 39.8030, 0.4177,
0.5025

■ 39.7749, 0.4193,
0.5052

■ 39.8733, 0.4139,
0.4963

■ 39.9917, 0.4077,
0.4860

■ 40.1671, 0.3989,
0.4714

■ 40.4054, 0.3878,
0.4532

■ 40.7121, 0.3750,
0.4320

■ 41.0917, 0.3609,
0.4086

■ 41.5485, 0.3461,
0.3841

■ 42.0865, 0.3311,
0.3594

■ 42.7094, 0.3164,
0.3351

Harmonies

Analogous

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



39.8030, 0.4902, 0.4369



39.8030, 0.4177, 0.5025



39.8030, 0.3245, 0.5231

Triad

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



39.8030, 0.4177, 0.5025



39.8030, 0.1439, 0.2398



39.8030, 0.3767, 0.2377

Complementary

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



39.8030, 0.4177, 0.5025



3.4718, 0.1538, 0.0663

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.



39.8030, 0.2711, 0.1964



39.8030, 0.4177, 0.5025



39.8030, 0.1528, 0.1916

Square

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



39.8030, 0.4177, 0.5025



39.8030, 0.1692, 0.3342



39.8030, 0.1942, 0.1797



39.8030, 0.4748, 0.2968

Rectangle

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



39.8030, 0.4177, 0.5025



39.8030, 0.2617, 0.4872



39.8030, 0.1942, 0.1797



39.8030, 0.3399, 0.2215

Sweetspot

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



39.8049, 0.4177, 0.5025



73.8870, 0.3549, 0.3988



9.4425, 0.6239, 0.3288



16.3492, 0.3611, 0.4091



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.



39.8049, 0.4177, 0.5025



71.2140, 0.4193, 0.5052



33.2251, 0.3427, 0.5607



9.3300, 0.3263, 0.3514



28.4758, 0.4193, 0.5052



0.7922, 0.4193, 0.5052

Inverse Universe

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



3.4718, 0.1538, 0.0663



5.5441, 0.1500, 0.0600



5.6266, 0.2078, 0.0956



7.7574, 0.2985, 0.3056



2.2171, 0.1500, 0.0600



0.0617, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 39.8030, 0.4177, 0.5025 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 39.8030, 0.4177, 0.5025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

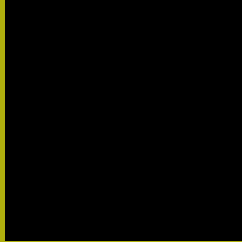
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8030, 0.4177, 0.5025

Background



This preview shows how black text looks on a background with the Yxy color 39.8030, 0.4177, 0.5025.

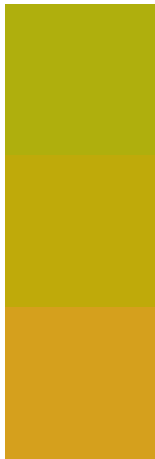


This preview shows how white text looks on a background with the Yxy color 39.8030, 0.4177, 0.5025.

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

39.8030, 0.4177, 0.5025

Protanopia

39.8477, 0.4388, 0.4868

Deuteranopia

39.3765, 0.4665, 0.4565



Tritanopia

39.8543, 0.3248, 0.3132

Trichromacy



Original Color

39.8030, 0.4177, 0.5025

Protanomaly

39.8435, 0.4308, 0.4929

Deuteranomaly

39.1142, 0.4495, 0.4731

Tritanomaly

38.9657, 0.3740, 0.3993

Monochromacy



Original Color

39.8030, 0.4177, 0.5025

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.4634, 0.3656, 0.4164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8030, 0.4177, 0.5025 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(175, 175, 13)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 13)  
}
```

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(175, 175, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 13) }
```

Border

The CSS property to change the border of an element to Yxy 39.8030, 0.4177, 0.5025 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(175, 175, 13) }
```

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

```
.border{ border-color:rgb(175, 175, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 13);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
13) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.8030, 0.4177, 0.5025$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 13) }
```

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

```
.background{ background-color: rgb(175,  
175, 13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor