

Converting Colors

$Yxy(40.0642, 0.4382, 0.4865)$

Have a look what the booklet for
Yxy(40.0642, 0.4382, 0.4865)
contains.

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Color

Yxy(39.8549, 0.4384, 0.4862)

Conversions

Conversions Part 1

Format	Color
Hex	BFAA0D
RGB	191, 170, 13
RGB Percent	75%, 67%, 5%
CMY	0.2509, 0.3333, 0.9488
CMYK	0.00, 0.11, 0.93, 0.25
HSL	53°, 87%, 40%
HSV	53°, 93%, 75%
XYZ	35.9366, 39.8549, 6.1807
YIQ	158.3810, 62.9130, -44.3750

Conversions

Conversions Part 2

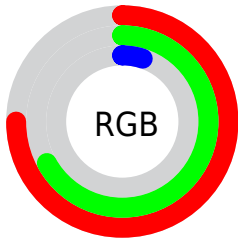
Format	Color
RYB	37, 191, 13
Decimal	12560909
CIELab	69.37, -6.41, 70.32
CIELCh	69, 70.610, 95.205
Yxy	39.8549, 0.4384, 0.4862
Android (android.graphics.Color)	4290750989 (0xFFBFAA0D)
YUV	158.3810, -71.6728, 28.6069
Hunter-Lab	63.1307, -8.8692, 38.3868

Details

The Yxy color **39.8549, 0.4384, 0.4862** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.9962, 0.1564, 0.0770**, and the grayscale version is **34.6896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9689, 0.4210, 0.4626**, and **17.9434, 0.4400, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **39.2531, 0.4418, 0.4874**, and if you desaturate by 10%, it is **40.7858, 0.4318, 0.4817**.

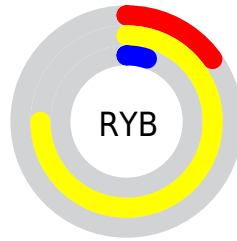
Distribution



Red (75%)

Green (67%)

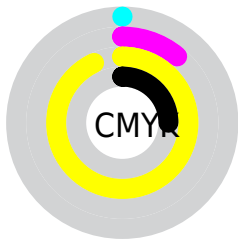
Blue (5%)



Red (15%)

Yellow (75%)

Blue (5%)

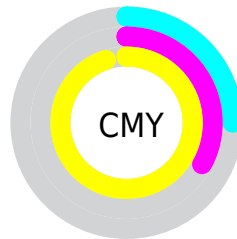


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (25%)



Cyan (25%)


Magenta (33%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8549, 0.4384, 0.4862 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 39.8549, 0.4384, 0.4862 by changing the saturation by 10% instead.


 39.8549, 0.4384,
0.4862


 39.8549, 0.4384,
0.4862

345.5116, 0.3831,
0.4135


 27.4254, 0.4476,
0.4999


 74.9425, 0.4214,
0.4626


 17.8930, 0.4561,
0.5141


 98.3694, 0.4140,
0.4528

 10.8732, 0.4669,
0.5331


 126.2310, 0.4073,
0.4442

 5.9816, 0.4624,
0.5376

 158.9115, 0.4014,
0.4365

 2.8339, 0.4552,
0.5448

 196.7955, 0.3960,
0.4297

 1.0456, 0.4423,
0.5577

 240.2672, 0.3913,

 0.0000, 0.0000,

0.4237

0.0000

289.7111, 0.3870,
0.4183

■ 39.8549, 0.4384,
0.4862

■ 39.8549, 0.4384,
0.4862

■ 39.2531, 0.4418,
0.4874

■ 40.7858, 0.4318,
0.4817

■ 41.7896, 0.4224,
0.4729

■ 42.8774, 0.4104,
0.4597

■ 44.0567, 0.3965,
0.4429

■ 45.3342, 0.3811,
0.4233

■ 46.7159, 0.3649,
0.4020

■ 48.2070, 0.3486,
0.3798

■ 49.8127, 0.3326,
0.3575

■ 51.5376, 0.3174,
0.3357

Harmonies

Analogous

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



39.8549, 0.5006, 0.4176



39.8549, 0.4384, 0.4862



39.8549, 0.3495, 0.5226

Triad

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



39.8549, 0.4384, 0.4862



39.8549, 0.1486, 0.2608



39.8549, 0.3477, 0.2259

Complementary

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



39.8549, 0.4384, 0.4862



4.9962, 0.1564, 0.0770

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.



39.8549, 0.2485, 0.1909



39.8549, 0.4384, 0.4862



39.8549, 0.1490, 0.2016

Square

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



39.8549, 0.4384, 0.4862



39.8549, 0.1836, 0.3649



39.8549, 0.1815, 0.1813



39.8549, 0.4513, 0.2810

Rectangle

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



39.8549, 0.4384, 0.4862



39.8549, 0.2862, 0.5037



39.8549, 0.1815, 0.1813



39.8549, 0.3121, 0.2117

Sweetspot

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



39.8568, 0.4384, 0.4862



84.8890, 0.3572, 0.3915



11.4998, 0.6058, 0.3172



18.3893, 0.3643, 0.4012



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



39.8568, 0.4384, 0.4862



70.0526, 0.4422, 0.4871



41.7155, 0.3590, 0.5490



10.9229, 0.3267, 0.3491



25.8689, 0.4414, 0.4877



1.0684, 0.4355, 0.4924

Inverse Universe

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



4.9962, 0.1564, 0.0770



7.6262, 0.1520, 0.0670



5.6841, 0.1867, 0.0834



9.4020, 0.2984, 0.3081



2.9268, 0.1527, 0.0698



0.1753, 0.1613, 0.1005

Previews

White Background



This preview shows how the Yxy color 39.8549, 0.4384, 0.4862 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 39.8549, 0.4384, 0.4862 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 39.8549, 0.4384, 0.4862

Background



This preview shows how black text looks on a background with the Yxy color 39.8549, 0.4384, 0.4862.



This preview shows how white text looks on a background with the Yxy color 39.8549, 0.4384, 0.4862.

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

39.8549, 0.4384, 0.4862

Protanopia

39.8549, 0.4384, 0.4862

Deuteranopia

39.8518, 0.4676, 0.4586



Tritanopia

39.7735, 0.3437, 0.3138

Trichromacy



Original Color

39.8549, 0.4384, 0.4862

Protanomaly

39.8549, 0.4384, 0.4862

Deuteranomaly

39.7232, 0.4579, 0.4681

Tritanomaly

38.9032, 0.3936, 0.3933

Monochromacy



Original Color

39.8549, 0.4384, 0.4862

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.4066, 0.3728, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8549, 0.4384, 0.4862 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(191, 170, 13)` looks like.

```
.text, #text, p{  
    color:rgb(191, 170, 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(191, 170, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 170, 13) }
```

Border

The CSS property to change the border of an element to Yxy 39.8549, 0.4384, 0.4862 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(191, 170, 13) }
```

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

```
.border{ border-color:rgb(191, 170, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 170, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 170, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 170, 13);  
box-shadow:4px 4px 4px 4px rgb(191, 170,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8549, 0.4384, 0.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 170, 13) }
```

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

```
.background{ background-color: rgb(191,  
170, 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](#).

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