

Converting Colors

$Yxy(39.9021, 0.4402, 0.4887)$

Have a look what the booklet for
Yxy(39.9021, 0.4402, 0.4887)
contains.

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Color

Yxy(39.8258, 0.4401, 0.4888)

Conversions

Conversions Part 1

Format	Color
Hex	BFAA00
RGB	191, 170, 0
RGB Percent	75%, 67%, 0%
CMY	0.2510, 0.3333, 1.0000
CMYK	0.00, 0.11, 1.00, 0.25
HSL	53°, 100%, 37%
HSV	53°, 100%, 75%
XYZ	35.8579, 39.8258, 5.7930
YIQ	156.8990, 67.0860, -48.4180

Conversions

Conversions Part 2

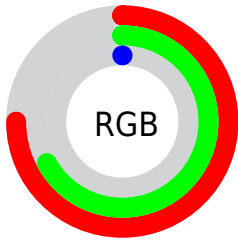
Format	Color
R _Y B	24, 191, 0
Decimal	12560896
CIE Lab	69.35, -6.58, 71.93
CIE LCh	69, 72.226, 95.228
Yxy	39.8258, 0.4401, 0.4888
Android (android.graphics.Color)	4290750976 (0xFFBFAA00)
YUV	156.8990, -77.3512, 29.9066
Hunter-Lab	63.1077, -9.0145, 38.7328

Details

The Yxy color **39.8258, 0.4401, 0.4888** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2966, 0.1521, 0.0676**, and the grayscale version is **34.0020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9097, 0.4227, 0.4651**, and **17.9434, 0.4400, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **39.8280, 0.4401, 0.4888**, and if you desaturate by 10%, it is **40.6683, 0.4351, 0.4865**.

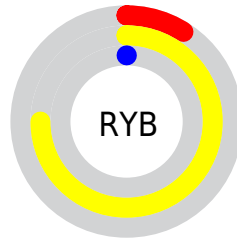
Distribution



Red (75%)

Green (67%)

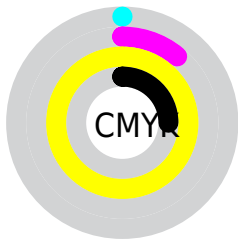
Blue (0%)



Red (9%)

Yellow (75%)

Blue (0%)

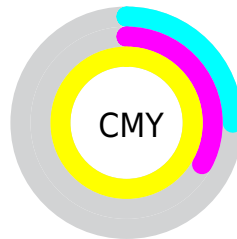


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8258, 0.4401, 0.4888 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 39.8258, 0.4401, 0.4888 by changing the saturation by 10% instead.


 39.8258, 0.4401,
0.4888


 39.8258, 0.4401,
0.4888


345.3888, 0.3845,
0.4153

 27.4027, 0.4490,
0.5023


 74.8982, 0.4232,
0.4652


 17.8759, 0.4571,
0.5163


 98.3163, 0.4158,
0.4553


 10.8609, 0.4664,
0.5336


 126.1682, 0.4091,
0.4465

 5.9734, 0.4617,
0.5383

 158.8383, 0.4031,
0.4388

 2.8289, 0.4543,
0.5457

 196.7111, 0.3977,
0.4319

 1.0431, 0.4409,
0.5591

 240.1708, 0.3928,

 0.0000, 0.0000,

0.4257

0.0000

289.6019, 0.3885,
0.4203

■ 39.8258, 0.4401,
0.4888

■ 39.8258, 0.4401,
0.4888

■ 39.8280, 0.4401,
0.4888

■ 40.6683, 0.4351,
0.4865

■ 41.5677, 0.4279,
0.4805

■ 42.5430, 0.4179,
0.4702

■ 43.6029, 0.4055,
0.4557

■ 44.7545, 0.3912,
0.4378

■ 46.0042, 0.3757,
0.4174

■ 47.3579, 0.3596,
0.3956

■ 48.8206, 0.3434,
0.3731

■ 50.3973, 0.3277,
0.3507

Harmonies

Analogous

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



39.8258, 0.5041, 0.4184



39.8258, 0.4401, 0.4888



39.8258, 0.3494, 0.5272

Triad

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



39.8258, 0.4401, 0.4888



39.8258, 0.1456, 0.2589



39.8258, 0.3484, 0.2241

Complementary

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



39.8258, 0.4401, 0.4888



4.2966, 0.1521, 0.0676

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.



39.8258, 0.2472, 0.1885



39.8258, 0.4401, 0.4888



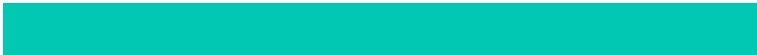
39.8258, 0.1462, 0.1990

Square

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



39.8258, 0.4401, 0.4888



39.8258, 0.1808, 0.3654



39.8258, 0.1791, 0.1787



39.8258, 0.4545, 0.2799

Rectangle

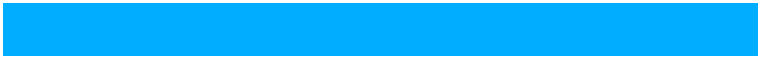
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.8258, 0.4401, 0.4888



39.8258, 0.2851, 0.5083



39.8258, 0.1791, 0.1787



39.8258, 0.3119, 0.2096

Sweetspot

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



39.8280, 0.4401, 0.4888



84.7103, 0.3604, 0.3966



11.1339, 0.6261, 0.3223



18.3701, 0.3673, 0.4061



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.



39.8280, 0.4401, 0.4888



71.1191, 0.4404, 0.4885



41.0924, 0.3536, 0.5574



10.9366, 0.3267, 0.3492



26.2506, 0.4398, 0.4890



1.0800, 0.4343, 0.4934

Inverse Universe

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



4.2966, 0.1521, 0.0676



7.5287, 0.1518, 0.0663



5.1858, 0.1816, 0.0774



9.3896, 0.2984, 0.3079



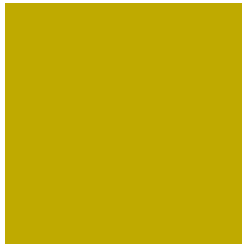
2.8844, 0.1525, 0.0689



0.1698, 0.1605, 0.0978

Previews

White Background



This preview shows how the Yxy color 39.8258, 0.4401, 0.4888 looks on a white background.

Color Contrast Check

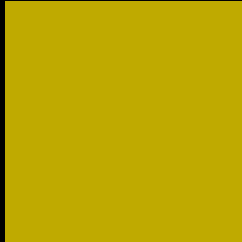
Large Text (above 18pt) WCAG AA × Fail

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 39.8258, 0.4401, 0.4888 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 39.8258, 0.4401, 0.4888

Background



This preview shows how black text looks on a background with the Yxy color 39.8258, 0.4401, 0.4888.



This preview shows how white text looks on a background with the Yxy color 39.8258, 0.4401, 0.4888.

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

39.8258, 0.4401, 0.4888

Protanopia

39.8258, 0.4401, 0.4888

Deuteranopia

39.8400, 0.4684, 0.4595



Tritanopia

39.7735, 0.3437, 0.3138

Trichromacy



Original Color

39.8258, 0.4401, 0.4888

Protanomaly

39.8258, 0.4401, 0.4888

Deuteranomaly

39.7018, 0.4592, 0.4698

Tritanomaly

38.7937, 0.3981, 0.3996

Monochromacy



Original Color

39.8258, 0.4401, 0.4888

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.1958, 0.3761, 0.4192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8258, 0.4401, 0.4888 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 170, 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(191, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 170, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.8258, 0.4401, 0.4888 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, 0) }
```

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

```
.border{ border-color:rgb(191, 170, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 170,  
0) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.8258, 0.4401, 0.4888$ 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, 0) }
```

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

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