

Converting Colors

$Yxy(38.9396, 0.4335, 0.4784)$

Have a look what the booklet for
Yxy(38.9396, 0.4335, 0.4784)
contains.

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Color

Yxy(38.9396, 0.4335, 0.4784)

Conversions

Conversions Part 1

Format	Color
Hex	BDA822
RGB	189, 168, 34
RGB Percent	74%, 66%, 13%
CMY	0.2587, 0.3412, 0.8666
CMYK	0.00, 0.11, 0.82, 0.26
HSL	52°, 69%, 44%
HSV	52°, 82%, 74%
XYZ	35.2849, 38.9396, 7.1709
YIQ	159.0030, 55.5300, -37.2220

Conversions

Conversions Part 2

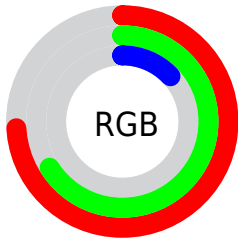
Format	Color
RYB	58, 189, 34
Decimal	12429346
CIELab	68.71, -5.77, 65.28
CIELCh	69, 65.534, 95.048
Yxy	38.9396, 0.4335, 0.4784
Android (android.graphics.Color)	4290619426 (0xFFBDA822)
YUV	159.0030, -61.6265, 26.3074
Hunter-Lab	62.4016, -8.2701, 36.8678

Details

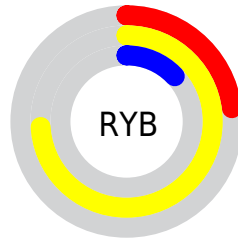
The Yxy color **38.9396, 0.4335, 0.4784** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7551, 0.1678, 0.1010**, and the grayscale version is **34.9446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6878, 0.4163, 0.4552**, and **17.3161, 0.4403, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **37.9224, 0.4410, 0.4832**, and if you desaturate by 10%, it is **40.0392, 0.4232, 0.4692**.

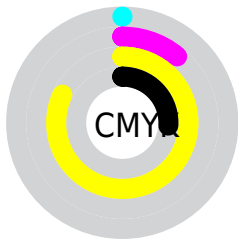
Distribution



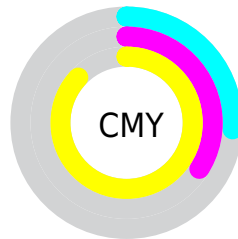
- Red (74%)
- Green (66%)
- Blue (13%)



- Red (23%)
- Yellow (74%)
- Blue (13%)



- Cyan (0%)
- Magenta (11%)
- Yellow (82%)
- Black (26%)





- Cyan (26%)
- Magenta (34%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9396, 0.4335, 0.4784 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 38.9396, 0.4335, 0.4784 by changing the saturation by 10% instead.

 38.9396, 0.4335,
0.4784

 38.9396, 0.4335,
0.4784


341.6336, 0.3788,
0.4078


 26.7127, 0.4433,
0.4924


 73.5460, 0.4161,
0.4550

 17.3576, 0.4531,
0.5075


 96.6944, 0.4087,
0.4454


 10.4898, 0.4664,
0.5285


 124.2521, 0.4022,
0.4371

 5.7249, 0.4646,
0.5354

 156.6034, 0.3964,
0.4297

 2.6785, 0.4579,
0.5421

 194.1329, 0.3912,
0.4233

 0.9663, 0.4452,
0.5548

 237.2248, 0.3866,

 0.0000, 0.0000,

0.4175

0.0000

286.2636, 0.3825,
0.4124

■ 38.9396, 0.4335,
0.4784

■ 38.9396, 0.4335,
0.4784

■ 37.9224, 0.4410,
0.4832

■ 40.0392, 0.4232,
0.4692

■ 37.1505, 0.4455,
0.4845

■ 41.2243, 0.4105,
0.4558

■ 42.5041, 0.3958,
0.4388

■ 43.8851, 0.3799,
0.4193

■ 45.3728, 0.3634,
0.3981

■ 46.9727, 0.3469,
0.3762

■ 48.6896, 0.3309,
0.3544

■ 50.5279, 0.3156,
0.3331

■ 52.4919, 0.3014,
0.3129

Harmonies

Analogous

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



38.9396, 0.4909, 0.4149



38.9396, 0.4335, 0.4784



38.9396, 0.3496, 0.5098

Triad

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



38.9396, 0.4335, 0.4784



38.9396, 0.1571, 0.2662



38.9396, 0.3454, 0.2312

Complementary

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



38.9396, 0.4335, 0.4784



6.7551, 0.1678, 0.1010

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.



38.9396, 0.2522, 0.1977



38.9396, 0.4335, 0.4784



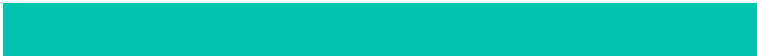
38.9396, 0.1569, 0.2091

Square

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



38.9396, 0.4335, 0.4784



38.9396, 0.1915, 0.3637



38.9396, 0.1881, 0.1889



38.9396, 0.4421, 0.2840

Rectangle

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



38.9396, 0.4335, 0.4784



38.9396, 0.2896, 0.4911



38.9396, 0.1881, 0.1889



38.9396, 0.3121, 0.2175

Sweetspot

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



38.9415, 0.4335, 0.4784



83.0945, 0.3525, 0.3837



12.2671, 0.5623, 0.3092



17.6530, 0.3583, 0.3914



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.9415, 0.4335, 0.4784



66.5885, 0.4450, 0.4840



41.6600, 0.3640, 0.5330



10.8936, 0.3267, 0.3487



25.0669, 0.4451, 0.4848



1.0438, 0.4381, 0.4904

Inverse Universe

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



6.7551, 0.1678, 0.1010



7.9644, 0.1535, 0.0711



6.9094, 0.1988, 0.0994



9.4287, 0.2984, 0.3085



3.0257, 0.1533, 0.0718



0.1870, 0.1628, 0.1060

Previews

White Background



This preview shows how the Yxy color 38.9396, 0.4335, 0.4784 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 Xy color 38.9396, 0.4335, 0.4784 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 38.9396, 0.4335, 0.4784

Background



This preview shows how black text looks on a background with the Yxy color 38.9396, 0.4335, 0.4784.



This preview shows how white text looks on a background with the Yxy color 38.9396, 0.4335, 0.4784.

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

38.9396, 0.4335, 0.4784

Protanopia

38.9396, 0.4335, 0.4784

Deuteranopia

38.7916, 0.4622, 0.4524



Tritanopia

38.7836, 0.3431, 0.3124

Trichromacy



Original Color

38.9396, 0.4335, 0.4784

Protanomaly

38.9396, 0.4335, 0.4784

Deuteranomaly

38.6707, 0.4522, 0.4616

Tritanomaly

38.0998, 0.3860, 0.3823

Monochromacy



Original Color

38.9396, 0.4335, 0.4784

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.6016, 0.3647, 0.3991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9396, 0.4335, 0.4784 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(189, 168, 34)` looks like.

```
.text, #text, p{  
    color:rgb(189, 168, 34)  
}
```

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(189, 168, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 168, 34) }
```

Border

The CSS property to change the border of an element to Yxy 38.9396, 0.4335, 0.4784 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(189, 168, 34) }
```

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

```
.border{ border-color:rgb(189, 168, 34) }
```

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

Here you see how a box with a 4 pixel rgb(189, 168, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 168, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 168, 34);  
box-shadow:4px 4px 4px 4px rgb(189, 168,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9396, 0.4335, 0.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 168, 34) }
```

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

```
.background{ background-color: rgb(189,  
168, 34) }
```

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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